Report No: C775
Date: June 2025

PRELIMINARY INVESTIGATION
of land off
CARR GREEN LANE, MAPPLEWELL, BARNSLEY

Prepared for

Mr Richard Richardson

Prepared by
G&M Consulting Ltd, The Chestnuts, Brackenhill Road, Haxey, Doncaster DN9 2LR

REPORT NUMBER:	C775	**REPORT STATUS:**	Final
REPORT TYPE:	Preliminary Investigation		
REPORT DATE:	June 2025		
SITE:	Land off Carr Green Lane, Mapplewell, Barnsley		
PREPARED FOR:	Mr Richard Richardson		
PREPARED BY:	A Swinbourne BSc. (Hons), MIEnvSc, ACIEH, FGS		Senior Engineering Geologist
REVIEWED BY:	G Swinbourne BSc. (Hons), MSc., DIC, FGS		Principal Engineering Geologist

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PRELIMINARY INVESTIGATION
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1.0 INTRODUCTION.

G&M Consulting Ltd (G&M) was commissioned by Mr Richard Richardson, to undertake a preliminary investigation (desk study) of a plot of land off Carr Green Lane, Mapplewell, Barnsley. It is understood that approval is being sought for the development of the site for residential purposes. This report has been commissioned to support the discharge contaminated land conditions associated with an approval.

The proposed development is shown on Drawing No 01, dated April 2025, prepared by White Agus Architectural Services. A copy of this drawing is presented in Appendix A of this report.

The aims of this investigation are as follows;

- To determine the land use history of the site from an inspection of available historical Ordnance Survey (OS) plans;
- To determine the environmental setting of the site, including the details of the geology, hydrogeology and hydrology;
- To determine the likelihood of shallow mine workings beneath the site;
- To determine whether the site had previously been used for any purpose that may have given rise to significant ground contamination;
- Develop a Preliminary Conceptual Site Model; and,
- To provide recommendations for any further works, if required.

As part of the desk study, information was sourced from GroundSure Limited (GroundSure), British Geological Survey (BGS), The Mining Remediation Authority (MRA), The Environment Agency (EA) and Building Research Establishment (BRE). A site inspection (walk-over survey) was also carried out by a G&M Geologist on the 7th June 2025.

This report is based on the data obtained from the preliminary investigation, it is limited to that data, and responsibility cannot be accepted for conditions not revealed by the investigation. Any diagram or opinion of the possible configuration of the ground conditions is conjectural and given for guidance only.

During the course of the site walk-over G&M did not note the possible presence of Japanese Knotweed on the subject site. However, it should be borne in mind G&M are not qualified ecologists and as such cannot guarantee the absence of knotweed or other invasive vegetation. If necessary, the possible presence of such vegetation should be confirmed by a qualified ecologist.

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2.0 SITE DESCRIPTION.

2.1 Site Location.

The site is located off Carr Green Lane, which runs to the west of the site, towards the south eastern edge of the village of Mapplewell, approximately 5 km north of Barnsley town centre, at National Grid Reference SE 331 094. A site location plan is shown on Drawing No. C775/1, presented in Appendix A of this report.

2.2 Site Features.

The site is a flat lying roughly rectangular shaped piece of land, with the long axis trending north east to south west. The plot is approximately 0.2 Ha in size. The site lies at a level of approximately 65 m above Ordnance Datum (OD).

Site is currently undeveloped, with no above ground structures. The site comprises large gravelled areas with low ground vegetation. Access to the site is through a metal gate off Carr Green Lane, which runs to the east of the site. There are small areas of stockpiled rubbish, wood and debris at various locations across the site.

A set of site condition photographs have been retained by G&M for inspection if required. However, a selection of photographs taken during the walkover survey are presented in Appendix C of this report.

3.0 SITE HISTORY.

A GroundSure report was commissioned, as part of this investigation, in order to review the environmental and regulatory information for the site and the immediate surrounding area. A copy of the report is presented in Appendix B of this report. A summary of the findings of the report and the general setting of the site is described in the following sections.

The GroundSure report contains historical Ordnance Survey maps which have been reviewed. Below is a summary of the salient points relating to the history of the site, dated from 1854. It is not the intention of this report to describe, in detail, all the changes that have occurred on or adjacent to the site, only those pertinent to the proposed development. This approach is intended to reduce uncertainty in the desk study review process to an acceptable level in line with BS10175:2011+A2:2017.

Date (Scale)	Site Usage	Surrounding Area Usage
1854 (1:10,560) County Series	• Site shown to be undeveloped	• Blacker Hill Quarry (Sandstone) swon approximately 150m to the east • Carr Green Lane shown running adjacent to the eastern boundary of the site
1891 (1:10,560) & 1892/1893 (1:2,500) County Series	• Unlabelled building shown in the south eastern part of the site	• North Gawber Colliery show approximately 250m to the orth of the site. • Coke ovens shown approximately 200m to the north
1904 (1:10,560) & 1906(1:2,500) County Series	• No significant change	• No significant change

1913 (1:2,500) County Series (partial)	• No significant change	• Colliery spoil tip shown extending to within approximately 70m of the northern boundary
1930 & 1938 (1:10,560) County Series	• No significant change	• No significant change
1948 (1:10,560) County Series	• No significant change.	• Colliery spoil tip shown approximately 300m to the west
1956 (1:10,560) Provisional & 1961 (1:2,500) National Grid	• No significant change	• 'Aerial ropeway' linking tip 300m to the west now shown • Spoil tip and settling ponds (probable) shown to within approximately 70m of south western boundary of the site
1966 (1:10,560) (Provisional)	• No significant change	• Tip shown approximately 300m to the east of the site
1973 (1:10,000) & 1974 (1:2,500) National Grid	• Building no longer shown	• Tip to the north of the site shown as 'disused' • 'Slurry ponds' shown extending up to the western boundary of the site • 'Vehicle scrap yard' shown approximately 180m to the north east
1982 (1:10,000) National Grid	• No significant change	• No significant change
1984/1988 &1989 (11:2,500) National Grid	• No significant change	• No significant change
1993 (1:2,500) & 1991/1993 (1:10,000) National Grid	• No significant change	• 'Slurry ponds' no longer shown adjacent to western boundary of the site. • North Gawber Colliery no longer shown
2001 (1:10,000) National Grid & 2003 (1:1,250) LandLine	• Site now shown completely occupied by a 'Depot'	• 'Works' shown adjacent to southern boundary of the site • Extensive residential development to thr north east and east of the site
2010 & 2025 (1:10,000) National Grid	• 'Depot' no longer shown	• No significant change

4.0 ENVIRONMENTAL SETTING.

4.1 Published Geology

Maps/publications referenced	1:50,000, Sheet 87 (Barnsley) Solid & Drift Edition 2007 BGS online Geoindex interactive map. Groundsure Report Ref: GS-K2Z-1GD-8EI-IVM
Made Ground	Shown on site
Superficial Geology	None shown
Solid Geology	Pennine Middle Coal Measures (PMCM) – Carboniferous age
Dip	None shown locally
Faults	No faults mapped within 50m of site

4.2 GroundSure GeoInsight

The GroundSure report contains a GeoInsight report, this presents the published geology, as detailed above together with a risk assessment on potential geological hazards. All risks identified as less than moderate are not discussed further. All identified natural hazard risks at the site are

deemed to be low, very low or negligible, with the exception of Compressible deposits (within 50m), which is deemed as moderate.

4.3 Hydrology

A Flood Zone 2 is shown extending onto the south western part of the site.

The highest risk posed to the site from *'Surface Water Flooding'* according to the GroundSure Report is highlighted to be *'1 in 30 year, 0.3m-1.0m (within 50m)'.* According to the GroundSure Report, the risk posed to the site by groundwater flooding is '*Negligible (within 50m)'.*

There are no recorded 'Historical Flood Events' recorded within 250m of site.

According to the GroundSure report, there are nine surface water features within 250m of the site. The closest is shown 56m to the south west, and is referenced as *'inland river not influenced by normal tidal action'*

The site is identified to lie within the catchment of '*Dearne from Cawthorne Dyke to Lundwood STW'* in the operational catchment of the '*Dearne'*.

The site is not shown to be within a *"Nitrate Sensitive Area"* but is within a *"Nitrate Vulnerable Zone".*

4.4 Hydrogeology

Information provided by the EA indicates that the underlying bedrock (PMCM) are classified as 'Secondary A', which is defined as having;

'Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers. '

The site is not shown to be within a Source Protection Zone.

The GroundSure Report identifies that the site is positioned within an area where Groundwater Vulnerability for the bedrock geology is '*Medium*'.

4.5 Mining and Quarrying

According to the MRA interactive map (http:/datamine-cauk.hub.arcgis.com) the site does lie within a 'development high risk area'.

The GroundSure Report indicates there are two 'Surface Ground Workings' on site and 52 within 250m of the site. The two identified on site are referenced as 'refuse heap' and 'colliery' on the OS map dated 1982. These are likely referencing the spoil tips to North Gawber Colliery.

4.6 Radon

The GroundSure report contains information on Radon Affected Areas as defined by the Health Protection Agency (HPA) and indicates that:

- "The site is in a Radon Affected Area, where between 1% and 3% of properties are above the Action Level".
- "No radon protective measures are necessary".

4.7 Additional Environmental Information

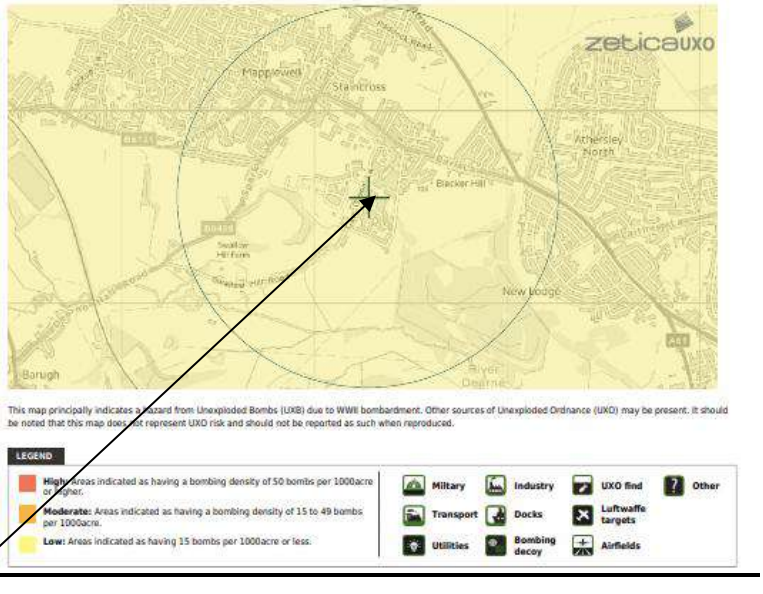
The GroundSure report, presented in Appendix B, also contains information on other potential pollution sources on and off site, a summary of these are presented below together with recommendations for further consideration.

Source	Location	Discussion	Does source warrant further consideration
Historic Tanks	On site	None identified	No
	Within 250m	1No shown, 201m north of the site, on the OS map dated 1988/1989	
Historic Energy Facilities	On site	None identified	No
	Within 250m	2 No shown: The closest shown 235m south-east, referenced as 'Electricity substation' on the OS map dated 1988/1989	
Petrol and Fuel sites	On site	None identified	No
	Within 250m		
Garage/Motor Vehicle Repair	On site	None identified	No
	Within 250m	6No shown, the closest is 141m to the east and referenced as 'vehicle scrap yard' on OS map dated 1988/1989	
Environmental permits/incidents/registers	On site	None identified	No
	Within 250m	None identified	
Licenced/Permitted/ Authorised industrial sites	On site	None identified	No
	Within 250m		
Part A1/IPC Authorisations	On site	None identified	No
	Within 250m		
Red List discharge consents	On site	None identified	No
	Within 250m		
Dangerous substances	On site	None identified	No
	Within 250m		
A2/Part B Activities/ Enforcements	On site	None identified	No
	Within 250m		
Radioactive substances	On site	None identified	No
	Within 250m		
	On site	None identified	

Source	Location	Discussion	Does source warrant further consideration
Licenced Discharge Consents	Within 250m	3No shown, the closest is shown 178m to the south-west and shown as a 'sewer storm overflow'	No
Water Industry Referrals	On site	None identified	No
	Within 250m		
Hazardous Substances	On site	None identified	No
	Within 250m		
Pollution Incidents	On site	None identified	No
	Within 250m	3No shown, the closest is shown 162m to the south-west. Incident date is shown as 08.08.2002. Pollutant is shown as 'unidentified oil'	
Historic Landfill/Waste Sites	On site	None identified	No
	Within 250m	1No shown, 229m to the east. The site address is given as Blacker Hill Quarry, Mapplewell. Material types are shown as inert, Industrial and commercial. The licence was surrendered 06.07.1984.	
Waste treatment, transfer or disposal sites	On site	None identified	No
	Within 250m	15No shown, the closest is shown 141m to the east and referenced as a 'vehicle scrap yard'	
Underground cables/pipelines	On site	None identified	No
	Within 500m		
Recent Industrial Sites Data	On site	None identified	No
	Within 250m	3 No shown: The closest shown 9m north, referenced as 'vehicle repair, testing and servicing'.	

4.8 Unexploded Ordnance

Area shown to be within a low risk zone. The risk map taken from available information provided by Zetica Ltd, is shown below.



The Site

5.0 PRELIMINARY CONCEPTUAL SITE MODEL.

5.1 Introduction

The findings of the desk study have been used to identify and assess potential sources of contamination and to develop a preliminary conceptual model of the site in order to investigate potential pollution linkages and identify complete pollutant linkages that may require further investigation or analysis and/or remediation. This approach is in line with the principals of Land Contamination Risk Management (LCRM) - Environment Agency July 2023.

The scope of the model is intended primarily to identify potential impacts to human health and environmental receptors from potential on-site and off-site contamination sources.

Source-Pathway-Receptor elements within the model are defined as follows:

Contaminant Source	A hazardous substance or agent, present at levels that have the potential to cause harm or damage a receptor.
Receptor	An entity (human, aquatic environment, flora and fauna etc) that is vulnerable to the adverse effects of the contaminant.
Pathway	The means by or through which a contaminant comes into contact with or otherwise effects a receptor.

Where all three elements are present, the relationship is termed a complete ‘pollution linkage’. It should be recognised that for a health or environmental harm to occur and for potential unacceptable risk to exist, all three elements of the relationship or linkage must be present.

The purpose of the site-specific conceptual model is to support:

1. Hazard assessment – analysis of the potential for unacceptable risk: pathways and receptors that could be present.
2. Risk estimation – a prediction of the magnitude and probability of the possible consequences of any exposure: what degree of harm may result and the likelihood of harm.

3. Risk evaluation – decision as to whether a risk is unacceptable.

It should be noted that if a potential contaminant source is identified but there is no receptor present that can be adversely affected, no harm or damage can arise. Similarly, even where both a contaminant and a receptor are present, no harm or damage will occur if there is no pathway by or through which a linkage between the two can be established and therefore a risk may be acceptable.

In assessing risk, the categorisation shown below has been developed. The table is intended to be an aid to assessing the degree of risk. It should be noted that in terms of Part 2A of the Environmental Protection Act 1990 (as amended) there is no differing degree of risk. It is either 'significant' or not.

Term	Description
Very High Risk	There is a high probability that severe harm could arise to a designated receptor from an identified hazard at the site without appropriate remedial action
High Risk	Harm is likely to arise to a designated receptor from an identified hazard at the site without appropriate remedial action
Moderate Risk	It is possible that without appropriate remedial action harm could arise to a designated receptor. It is relatively unlikely that any such harm would be severe, and if any harm were to occur it is more likely that such harm would be relatively mild.
Low Risk	It is possible that harm could arise to a designated receptor from an identified hazard. It is likely that, at worst, if any harm was realised any effects would be mild.
Negligible Risk	The presence of an identified hazard does not give rise to the potential to cause harm to a designated receptor.

5.2 Assessment of Potential Sources of Contamination

Potential sources of contamination have been assessed which include both current and historical on-site sources together with those originating from off-site locations which may migrate onto the site.

Site is currently undeveloped, with no above ground structures. The site comprises large gravelled areas with low ground vegetation. Access to the site is through a metal gate off Carr Green Lane, which runs to the east of the site. There are small areas of stockpiled rubbish, wood and debris at various locations across the site.

Historical maps indicate that the site remained undeveloped until sometime prior to 1891, when an unlabelled building in the south eastern part of the site. The building is no longer shown on the map dated 1973. A 'Depot' is shown occupying the whole of site on the OS map dated 2001, but it not shown on the plan dated 2010.

Off-site sources of potential contamination have been identified as part of this assessment, in particular the spoil/refuse tips and 'slurry ponds', which extended up to the western boundary of the site and appear to have been associated with North Gawber Colliery.

The site is also shown to be with a 'Development high risk area', as defined by the MRA and as such there is a possibility the site is underlain by shallow mine workings, which can both generate and allow the migration of hazardous ground gases.

5.3 Potential Receptors

The following potential receptors have been identified for the site:

Receptor	Details
Human Receptors	Future site occupiers
	Construction workers
Controlled Waters	PMCM (Secondary A aquifer)
Built Development	Building foundations/substructures and utility connections.

5.4 Potential Pathways

Taking into account the intended use of the site, the following potential pathways by which the above receptors and sources may be linked as follows;

Receptor	Pathway
Human (Future site users, construction workers)	Ingestion of soil/soil dust Dermal contact with soil/soil dust Indoor/outdoor inhalation of fugitive gases
Controlled Waters	Percolation and mobilisation of contaminants within any shallow soils into the groundwater.
Built Development	Direct contact with aggressive ground conditions via migration and/or percolation out of the ground

5.5 Qualitative Risk Assessment

The findings of the desk study, and source receptor pathway analyses, have been accounted for and assessed in the conceptual model presented below. The purpose of the model is to determine the potential linkage(s) existing on the site, and the likelihood of the linkage being present and determining a consequent level of risk.

Preliminary Conceptual Site Model

Source	Risk	Potential Contaminants	Likely Exposure Pathway/s	Receptor/s	Probability Assessment**
Made Ground (On-site)	Moderate	Inorganic and organic contaminants	Skin contact Ingestion	End users and construction workers	**Likely –** significant former industrial site uses identified. Unlabelled building located in the south eastern part of the site and 'depot' shown occupying all of the site. Made ground likely associated with former site uses.
			Leaching/migration of contaminants through soil	Controlled waters	
		Vapours and fumes from hydrocarbons	Inhalation	End users (residential)	
	Moderate	Mobile organic contaminant hydrocarbons	Leaching/migration of contaminants through soil	Built Development (Water supply pipes)	
Made Ground (On-site)	Moderate/High	Asbestos Containing Materials (ACMs)	Ingestion/Inhalation	End users (residential) and construction workers	**Likely.** Potential presence of ACMs associated with historical uses/buildings on site. Possibly within any made ground/demolition rubble present.
	Moderate/High	Ground Gas	Inhalation	End users/Built Development	**Likely** – Made ground likely to be present with historical or current uses of the site. Site possibly underlain by shallow mine workings, which can both generate and provide preferential pathways for gas. Radon gas protection measures **not** shown to be required.
Made Ground (off site).	Moderate	Mobile inorganic/ organic contaminant associated with former/current off-site uses	Skin contact Ingestion/Inhalation	End users (residential) and built development (Water supply pipes)	**Low Likelihood** – A number of potential sources identified, including the former refuse/spoil tips and slurry ponds adjacent to the western boundary of the site, associated with North Gawber Colliery to the north.

** Definitions and Classifications of Risk Assessment Terminology presented in Appendix D of this report

The preliminary conceptual site model has identified potential complete pollutant linkages that are considered to require further risk assessment and investigation.

6.0 CONCLUSIONS AND RECOMMENDATIONS.

G&M Consulting Ltd (G&M) was commissioned by Mr Richard Richardson, to undertake a preliminary investigation (desk study) of a plot of land off Carr Green Lane, Mapplewell, Barnsley. It is understood that approval is being sought for the development of the site for residential purposes. This report has been commissioned to support the discharge contaminated land conditions associated with an approval.

The proposed development is shown on Drawing No 01, dated April 2025, prepared by White Agus Architectural Services. A copy of this drawing is presented in Appendix A of this report.

A Flood Zone 2 is shown extending onto the south western part of the site.

The highest risk posed to the site from *'Surface Water Flooding'* according to the GroundSure Report is highlighted to be *'1 in 30 year, 0.3m-1.0m (within 50m)'.* According to the GroundSure Report, the risk posed to the site by groundwater flooding is '*Negligible (within 50m)'.*

There are no recorded 'Historical Flood Events' recorded within 250m of site.

The site is not shown to be within a designated Source Protection Zone.

Records indicate the site is not underlain by superficial deposits. The solid geology of the Pennine Middle Coal Measures is noted to underlie the site.

According to the MRA interactive map (http:/datamine-cauk.hub.arcgis.com) the site does lie within a 'development high risk area'. As a consequence of this, a Coal Mining Risk Assessment (CMRA) should be prepared and submitted to the local authority as part of any planning application.

Potential sources of contamination have been assessed which include both current and historical on-site sources together with those originating from off-site locations which may migrate onto the site.

Site is currently undeveloped, with no above ground structures. The site comprises large gravelled areas with low ground vegetation. Access to the site is through a metal gate off Carr Green Lane, which runs to the east of the site. There are small areas of stockpiled rubbish, wood and debris at various locations across the site.

Historical maps indicate that the site remained undeveloped until sometime prior to 1891, when an unlabelled building in the south eastern part of the site. The building is no longer shown on the map dated 1973. A 'Depot' is shown occupying the whole of site on the OS map dated 2001, but it not shown on the plan dated 2010.

Off-site sources of potential contamination have been identified as part of this assessment, in particular the spoil/refuse tips and 'slurry ponds', which extended up to the western boundary of the site and appear to have been associated with North Gawber Colliery.

The site is also shown to be possibly underlain by shallow mine workings, which can both generate and allow the migration of hazardous ground gases.

Radon protection measures are **not** shown to be required for any new build properties at the site.

The preliminary conceptual site model does indicate plausible potential complete pollutant linkages, associated with the former/current uses of the site and off-site sources, that require further assessment and/or investigation.

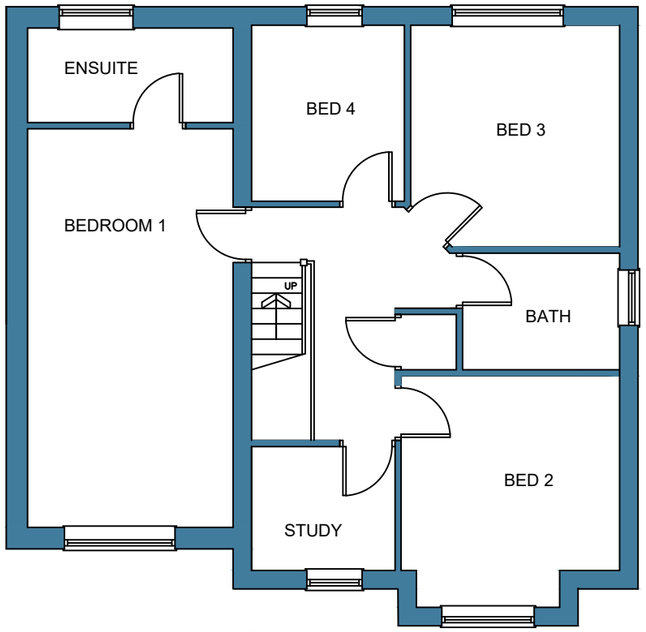
Based on the findings of this desk study report it is recommended that an intrusive geoenvironmental investigation is undertaken, to assess the risks to identified receptors. The likely scope of the investigation should include the following:

- Window sample boreholes drilled across the site to adequately characterise the made ground and shallow natural soils and groundwater across the site.
- Installation and monitoring combined ground gas/ground water wells. Monitoring in accordance with C665:2007. Water samples to be recovered from installations.
- In-field soil sampling and screening (utilising a Photo Ionisation Detector (PID)).
- Soil samples should be collected in appropriate containers and subject to chemical soil analysis including a range of testing suites including, metals, pH, water soluble sulphate, phenol, speciated TPHs, speciated PAHs and asbestos screening.
- Compilation of the data gathered during the Phase 2 site investigation into an interpretive report, with the preparation of a Remediation Strategy, if necessary.

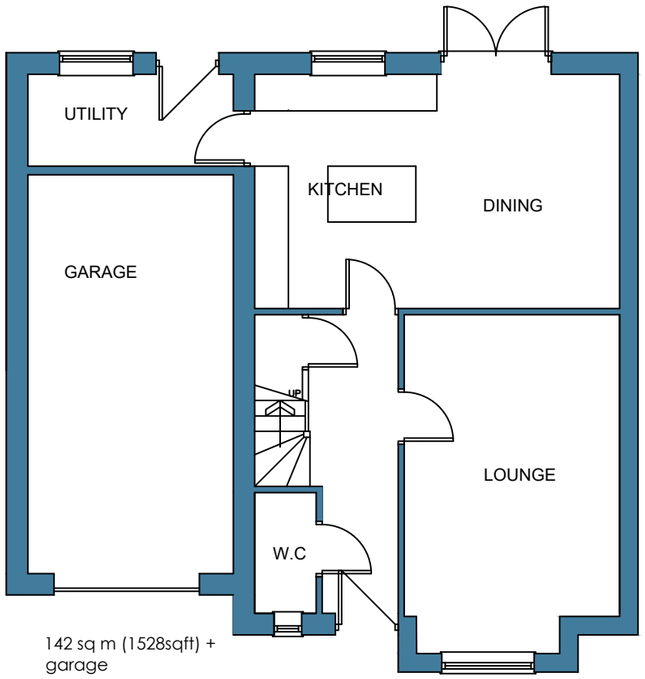
The conclusions and recommendations presented above are considered practical based on the findings of this report. However, they cannot however be guaranteed to gain regulatory approval, and therefore this report should be submitted to the regulators for their comment/approval as part of the planning process and before any development work takes place.

APPENDIX A

DRAWINGS



FIRST FLOOR PLAN



142 sq m (1528sqft) + garage

GROUND FLOOR PLAN

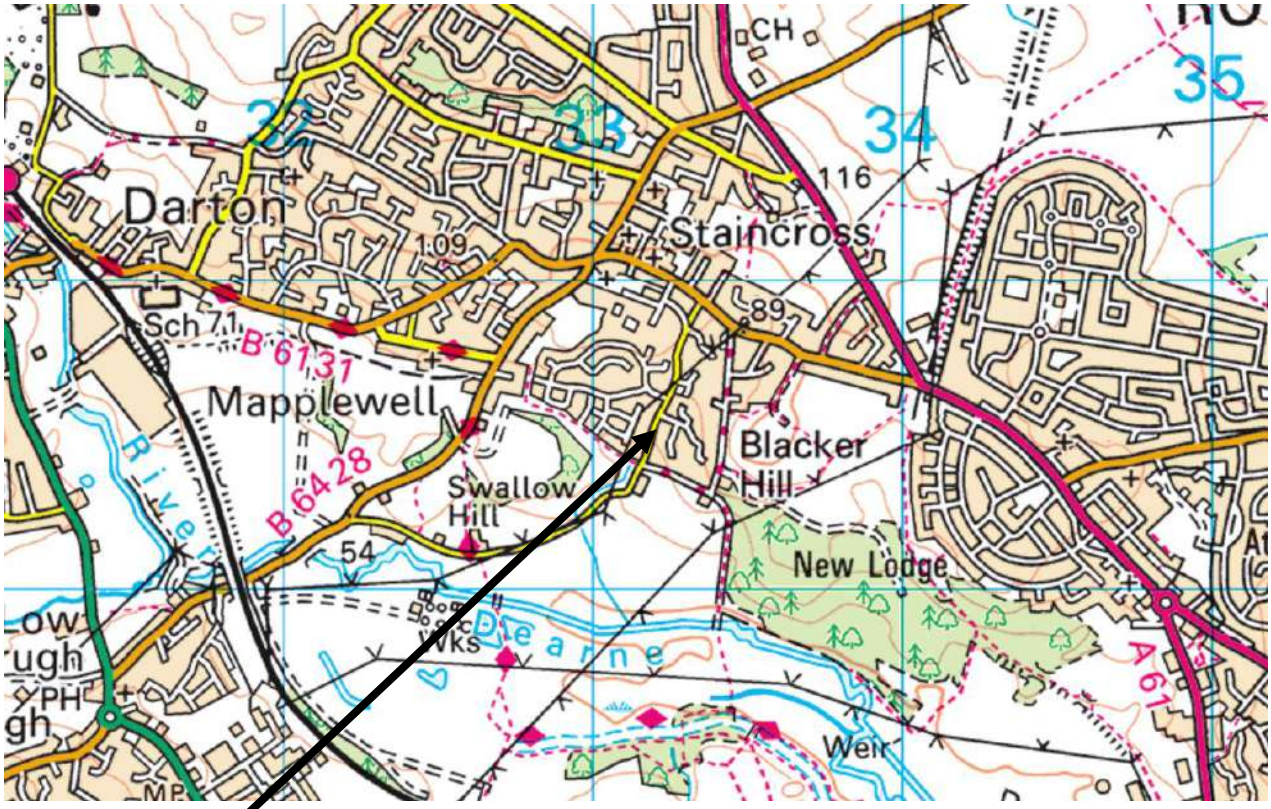
White Agus
Architectural Services

OFFICE ONE,
DRILL HALL,
11 EASTGATE,
BARNSLEY.
S70 2EU

Phone: 01226 208482
Email: info@whiteagus.co.uk
Web: www.whiteagus.co.uk

Project. RESIDENTIAL DEVELOPMENT AT CARR GREEN LANE, MAPPLEWELL, BARNSLEY.	Client. MR RICHARD RICHARDSON
Drawing Title. PLANS	Date. APRIL 2025 / Scale. 1:100 @ A3
	Ref. 25–007 / Dwg. No. 01 / Rev.

Date	Suffix	Description	Date	Suffix	Description



The Site

Site Location Plan

Drawing No C775/1

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G&M CONSULTING

APPENDIX B

GROUNDSURE DOCUMENTS

Groundsure
LOCATION INTELLIGENCE

Enviro+Geo Insight

68, CARR GREEN LANE, MAPPLEWELL, BARNSLEY, S75 6DY

Order Details

Date: 13/06/2025

Your ref: C775

Our Ref: GS-K2Z-1GD-8EI-IVM

Site Details

Location: 433178 409466

Area: 0.2 ha

Authority: Barnsley Metropolitan Borough Council ↗

Contact us with any questions at:
info@groundsure.com ↗
01273 257 755

Certified B Corporation

Summary of findings

Page	Section	Past land use >	On site	0-50m	50-250m	250-500m	500-2000m
15 >	1.1 >	Historical industrial land uses >	2	2	53	65	-
20 >	1.2 >	Historical tanks >	0	0	1	3	-
21 >	1.3 >	Historical energy features >	0	0	2	8	-
21	1.4	Historical petrol stations	0	0	0	0	-
22 >	1.5 >	Historical garages >	0	0	6	16	-
23	1.6	Historical military land	0	0	0	0	-
Page	Section	Past land use - un-grouped >	On site	0-50m	50-250m	250-500m	500-2000m
24 >	2.1 >	Historical industrial land uses >	2	2	83	92	-
31 >	2.2 >	Historical tanks >	0	0	4	6	-
32 >	2.3 >	Historical energy features >	0	0	5	22	-
33	2.4	Historical petrol stations	0	0	0	0	-
33 >	2.5 >	Historical garages >	0	0	15	23	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
36	3.1	Active or recent landfill	0	0	0	0	-
36	3.2	Historical landfill (BGS records)	0	0	0	0	-
37	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
37 >	3.4 >	Historical landfill (EA/NRW records) >	0	0	1	0	-
37 >	3.5 >	Historical waste sites >	0	0	15	1	-
39 >	3.6 >	Licensed waste sites >	0	0	3	2	-
41 >	3.7 >	Waste exemptions >	0	0	4	12	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
43 >	4.1 >	Recent industrial land uses >	0	3	10	-	-
44	4.2	Current or recent petrol stations	0	0	0	0	-
45	4.3	Electricity cables	0	0	0	0	-
45	4.4	Gas pipelines	0	0	0	0	-
45	4.5	Sites determined as Contaminated Land	0	0	0	0	-

45	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
45	4.7	Regulated explosive sites	0	0	0	0	-
46	4.8	Hazardous substance storage/usage	0	0	0	0	-
46	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
46	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
46	4.11	Licensed pollutant release (Part A(2)/B)	0	0	0	0	-
46	4.12	Radioactive Substance Authorisations	0	0	0	0	-
47 >	**4.13 >**	**Licensed Discharges to controlled waters >**	0	0	3	0	-
47	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
48	4.15	Pollutant release to public sewer	0	0	0	0	-
48	4.16	List 1 Dangerous Substances	0	0	0	0	-
48	4.17	List 2 Dangerous Substances	0	0	0	0	-
48 >	**4.18 >**	**Pollution Incidents (EA/NRW) >**	0	0	3	5	-
49	4.19	Pollution inventory substances	0	0	0	0	-
50	4.20	Pollution inventory waste transfers	0	0	0	0	-
50	4.21	Pollution inventory radioactive waste	0	0	0	0	-

Page	Section	**Hydrogeology >**	On site	0-50m	50-250m	250-500m	500-2000m
51 >	**5.1 >**	**Superficial aquifer >**	Identified (within 500m)				
52 >	**5.2 >**	**Bedrock aquifer >**	Identified (within 500m)				
53 >	**5.3 >**	**Groundwater vulnerability >**	Identified (within 50m)				
54	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
54	5.5	Groundwater vulnerability- local information	None (within 0m)				
55	5.6	Groundwater abstractions	0	0	0	0	0
55	5.7	Surface water abstractions	0	0	0	0	0
55	5.8	Potable abstractions	0	0	0	0	0
55	5.9	Source Protection Zones	0	0	0	0	-
56	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-

Page	Section	**Hydrology >**	On site	0-50m	50-250m	250-500m	500-2000m
57 >	**6.1 >**	**Water Network (OS MasterMap) >**	0	0	14	-	-

59 >	6.2 >	Surface water features >	0	0	9	-	-
59 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
59 >	6.4 >	WFD Surface water bodies >	0	0	0	-	-
60 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
61	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
61	7.2	Historical Flood Events	0	0	0	-	-
61	7.3	Flood Defences	0	0	0	-	-
62	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
62	7.5	Flood Storage Areas	0	0	0	-	-
63 >	7.6 >	Flood Zone 2 >	Identified (within 50m)				
64	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding >					
65 >	8.1 >	Surface water flooding >	1 in 30 year, 0.3m - 1.0m (within 50m)				
Page	Section	Groundwater flooding >					
67 >	9.1 >	Groundwater flooding >	Negligible (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
68	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
69	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
69	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
69	10.4	Special Protection Areas (SPA)	0	0	0	0	0
69	10.5	National Nature Reserves (NNR)	0	0	0	0	0
70 >	10.6 >	Local Nature Reserves (LNR) >	0	0	0	0	1
70 >	10.7 >	Designated Ancient Woodland >	0	0	0	0	2
70	10.8	Biosphere Reserves	0	0	0	0	0
71	10.9	Forest Parks	0	0	0	0	0
71	10.10	Marine Conservation Zones	0	0	0	0	0
71 >	10.11 >	Green Belt >	0	1	0	0	2
71	10.12	Proposed Ramsar sites	0	0	0	0	0

72	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
72	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
72	10.15	Nitrate Sensitive Areas	0	0	0	0	0
72 >	10.16 >	Nitrate Vulnerable Zones >	1	0	0	0	3
74 >	10.17 >	SSSI Impact Risk Zones >	1	-	-	-	-
75	10.18	SSSI Units	0	0	0	0	0
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
76	11.1	World Heritage Sites	0	0	0	-	-
76	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
76	11.3	National Parks	0	0	0	-	-
76	11.4	Listed Buildings	0	0	0	-	-
77	11.5	Conservation Areas	0	0	0	-	-
77	11.6	Scheduled Ancient Monuments	0	0	0	-	-
77	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
78 >	12.1 >	Agricultural Land Classification >	Urban (within 250m)				
79	12.2	Open Access Land	0	0	0	-	-
79	12.3	Tree Felling Licences	0	0	0	-	-
79	12.4	Environmental Stewardship Schemes	0	0	0	-	-
79	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations >	On site	0-50m	50-250m	250-500m	500-2000m
80 >	13.1 >	Priority Habitat Inventory >	0	0	2	-	-
81	13.2	Habitat Networks	0	0	0	-	-
81 >	13.3 >	Open Mosaic Habitat >	0	1	1	-	-
81	13.4	Limestone Pavement Orders	0	0	0	-	-
Page	Section	Geology 1:10,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
82 >	14.1 >	10k Availability >	Identified (within 500m)				
83 >	14.2 >	Artificial and made ground (10k) >	1	1	8	5	-
85 >	14.3 >	Superficial geology (10k) >	0	0	0	1	-

86	14.4	Landslip (10k)	0	0	0	0	-
87 >	14.5 >	Bedrock geology (10k) >	2	4	8	7	-
89 >	14.6 >	Bedrock faults and other linear features (10k) >	0	3	19	31	-
Page	Section	Geology 1:50,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
92 >	15.1 >	50k Availability >	Identified (within 500m)				
93 >	15.2 >	Artificial and made ground (50k) >	1	1	5	3	-
94 >	15.3 >	Artificial ground permeability (50k) >	1	1	-	-	-
95 >	15.4 >	Superficial geology (50k) >	0	0	0	1	-
96	15.5	Superficial permeability (50k)	None (within 50m)				
96	15.6	Landslip (50k)	0	0	0	0	-
96	15.7	Landslip permeability (50k)	None (within 50m)				
97 >	15.8 >	Bedrock geology (50k) >	1	2	7	6	-
98 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
99 >	15.10 >	Bedrock faults and other linear features (50k) >	0	3	18	15	-
Page	Section	Boreholes	On site	0-50m	50-250m	250-500m	500-2000m
101	16.1	BGS Boreholes	0	0	0	-	-
Page	Section	Natural ground subsidence >					
102 >	17.1 >	Shrink swell clays >	Very low (within 50m)				
103 >	17.2 >	Running sands >	Very low (within 50m)				
105 >	17.3 >	Compressible deposits >	Moderate (within 50m)				
107 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
108 >	17.5 >	Landslides >	Very low (within 50m)				
109 >	17.6 >	Ground dissolution of soluble rocks >	Negligible (within 50m)				
Page	Section	Mining and ground workings >	On site	0-50m	50-250m	250-500m	500-2000m
111 >	18.1 >	BritPits >	0	0	5	24	-
121 >	18.2 >	Surface ground workings >	2	2	52	-	-
123 >	18.3 >	Underground workings >	1	0	5	9	11
124	18.4	Underground mining extents	0	0	0	0	-
124	18.5	Historical Mineral Planning Areas	0	0	0	0	-

125 >	18.6 >	Non-coal mining >	1	0	3	2	13
127	18.7	JPB mining areas	None (within 0m)				
127	18.8	The Coal Authority non-coal mining	0	0	0	0	-
128	18.9	Researched mining	0	0	0	0	-
128	18.10	Mining record office plans	0	0	0	0	-
128	18.11	BGS mine plans	0	0	0	0	-
128 >	18.12 >	Coal mining >	Identified (within 0m)				
129	18.13	Brine areas	None (within 0m)				
129	18.14	Gypsum areas	None (within 0m)				
129	18.15	Tin mining	None (within 0m)				
129	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
130	19.1	Natural cavities	0	0	0	0	-
130	19.2	Mining cavities	0	0	0	0	0
130	19.3	Reported recent incidents	0	0	0	0	-
130	19.4	Historical incidents	0	0	0	0	-
Page	Section	Radon >					
132 >	20.1 >	Radon >	Between 3% and 5% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
134 >	21.1 >	BGS Estimated Background Soil Chemistry >	1	1	-	-	-
134	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
134	21.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	Railway infrastructure and projects >	On site	0-50m	50-250m	250-500m	500-2000m
135	22.1	Underground railways (London)	0	0	0	-	-
135	22.2	Underground railways (Non-London)	0	0	0	-	-
136	22.3	Railway tunnels	0	0	0	-	-
136 >	22.4 >	Historical railway and tunnel features >	0	0	21	-	-
137	22.5	Royal Mail tunnels	0	0	0	-	-
137 >	22.6 >	Historical railways >	0	0	2	-	-

137	22.7	Railways	0	0	0	-	-
138	22.8	Crossrail 2	0	0	0	0	-
138	22.9	HS2	0	0	0	0	-

Recent aerial photograph

Capture Date: 19/04/2021

Site Area: 0.2ha

Recent site history - 2018 aerial photograph

Capture Date: 01/07/2018

Site Area: 0.2ha

Recent site history - 2012 aerial photograph

Capture Date: 26/03/2012

Site Area: 0.2ha

Recent site history - 2009 aerial photograph

Capture Date: 11/09/2009

Site Area: 0.2ha

Recent site history - 1999 aerial photograph

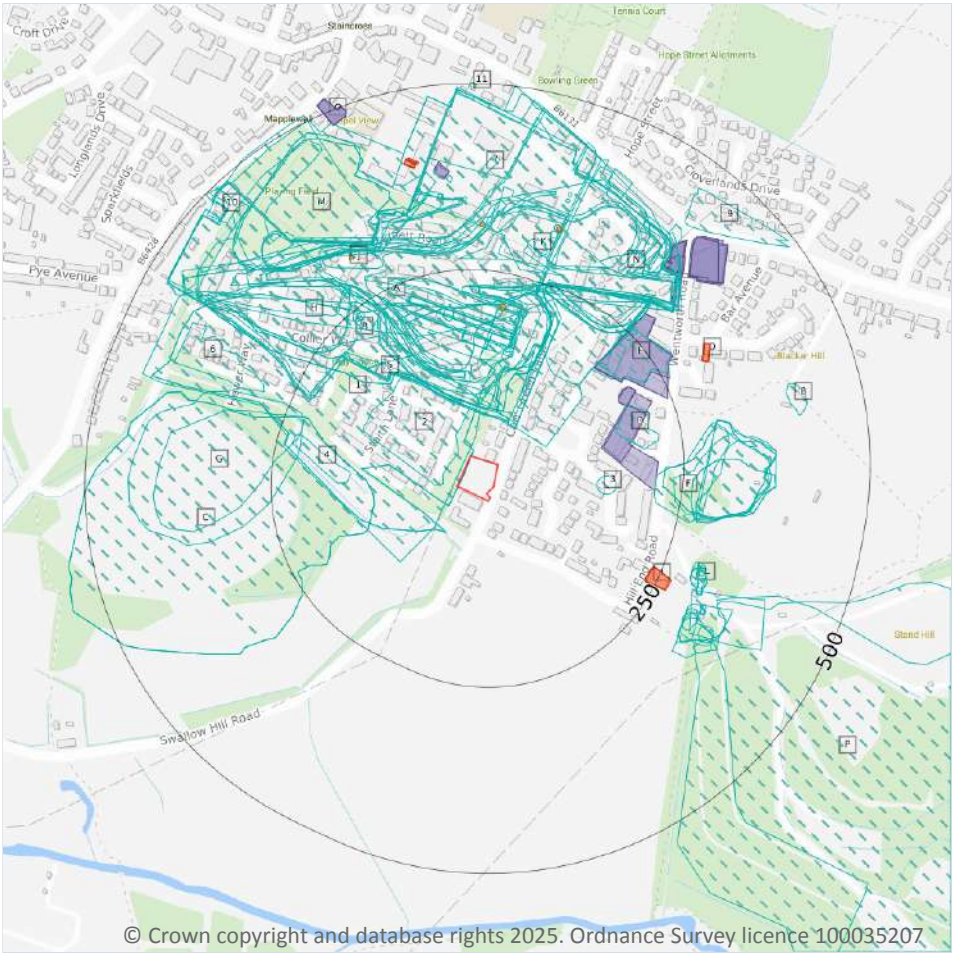
Capture Date: 10/07/1999

Site Area: 0.2ha

OS MasterMap site plan

Site Area: 0.2ha

1 Past land use



Site Outline

Search buffers in metres (m)

Historical industrial land uses

Historical tanks

Historical energy features

Historical garages

1.1 Historical industrial land uses

Records within 500m	122

Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 1:10,560 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 15 >**

ID	Location	Land use	Dates present	Group ID
1	**On site**	**Refuse Heap**	**1982**	**1548154**

ID	Location	Land use	Dates present	Group ID
A	**On site**	**Colliery**	**1982**	**1535444**
B	5m NW	Unspecified Disused Tip	1982 - 1993	1527705
2	16m NW	Slurry Ponds	1982	1449068
A	53m NE	Colliery	1938	1580018
A	55m NE	Colliery	1930	1505723
A	59m N	Colliery	1948	1551706
A	59m N	Colliery	1904	1517960
A	61m NE	Colliery	1956	1522153
A	65m N	Refuse Heap	1904	1486247
A	66m N	Refuse Heap	1948 - 1956	1567501
A	67m N	Unspecified Mine	1966 - 1973	1510671
A	67m N	Refuse Heap	1966	1536908
A	67m N	Unspecified Disused Tip	1973	1575299
A	68m N	Refuse Heap	1930	1544011
A	72m N	Colliery	1891	1532415
B	82m N	Refuse Heaps	1938	1512271
A	85m N	Refuse Heap	1891	1516987
A	99m N	Railway Sidings	1938	1565018
A	105m N	Railway Sidings	1948	1560887
A	106m N	Railway Sidings	1930	1497195
C	113m W	Unspecified Disused Tip	1973	1481892
C	113m W	Refuse Heap	1966	1553436
A	126m N	Refuse Heap	1904	1576718
3	136m E	Sandstone Quarry	1854	1444881
4	144m W	Slurry Ponds	1982	1449067
A	145m N	Coke Ovens	1938	1512519
A	145m N	Coke Ovens	1930	1534224
A	146m N	Coke Ovens	1904	1509817

ID	Location	Land use	Dates present	Group ID
5	149m NW	Refuse Heap	1948	1486151
A	150m N	Railway Sidings	1904	1540450
A	155m N	Railway Sidings	1891	1542461
D	165m E	Unspecified Depot	1993	1445534
A	166m N	Coke Ovens	1904	1508532
A	170m N	Railway Sidings	1966 - 1973	1528140
A	183m N	Railway Sidings	1982	1538038
E	191m NE	Unspecified Works	1993	1460687
A	201m N	Railway Sidings	1956	1525179
F	213m E	Sandstone Quarry	1854	1444880
B	215m NW	Engine House	1938	1541277
G	217m W	Refuse Heap	1956	1542718
G	222m W	Unspecified Heap	1948	1466131
F	223m E	Unspecified Quarry	1891 - 1904	1536010
F	223m E	Unspecified Quarry	1948	1542130
E	224m NE	Refuse Heap	1930	1531468
E	225m NE	Refuse Heap	1948	1511366
E	225m NE	Refuse Heap	1938	1506743
B	227m NW	Old Engine	1854	1482362
H	230m NW	Refuse Heap	1948 - 1956	1501955
E	230m NE	Refuse Heap	1956	1564670
H	231m NW	Refuse Heap	1930	1521292
E	231m NE	Unspecified Disused Tip	1973	1480155
E	231m NE	Refuse Heap	1966	1579829
B	232m NW	Engine House	1891 - 1904	1543099
B	232m NW	Engine House	1930	1537028
F	237m E	Refuse Heap	1982	1485401
E	242m NE	Coal Pit	1854	1454537

ID	Location	Land use	Dates present	Group ID
E	251m NE	Coal Pit	1854	1454536
F	263m E	Unspecified Disused Tip	1973	1480154
F	263m E	Refuse Heap	1966	1519912
F	272m E	Unspecified Quarry	1930	1582967
F	272m E	Unspecified Quarry	1938	1564950
F	276m E	Unspecified Disused Quarry	1956	1461926
A	278m N	Refuse Heap	1904	1505278
J	281m NW	Refuse Heap	1904	1530151
K	282m N	Refuse Heaps	1904	1432589
L	288m E	Unspecified Ground Workings	1956	1490349
6	288m NW	Slurry Ponds	1982	1449066
K	288m N	Refuse Heap	1891	1435428
L	289m E	Unspecified Ground Workings	1904	1540429
L	289m E	Unspecified Ground Workings	1948	1551704
L	289m E	Unspecified Heap	1938	1513699
L	294m E	Unspecified Shaft	1850	1447769
L	297m E	Unspecified Old Shaft	1938 - 1948	1497872
L	298m E	Unspecified Old Shaft	1956	1446730
L	299m E	Unspecified Old Shaft	1904	1550573
L	299m SE	Colliery	1850	1469147
M	299m NW	Refuse Heap	1966	1508760
M	299m NW	Unspecified Disused Tip	1973	1546277
J	302m NW	Refuse Heap	1948	1499504
J	302m NW	Refuse Heap	1930	1541395
M	302m N	Refuse Heap	1956	1498998
N	302m NE	Refuse Heap	1904	1501829
L	303m SE	Disused Colliery	1890	1447217
M	304m NW	Refuse Heap	1938	1572966

ID	Location	Land use	Dates present	Group ID
L	304m SE	Unspecified Heap	1956	1468572
L	306m SE	Refuse Heap	1904	1547878
L	306m SE	Unspecified Heaps	1948	1573726
L	307m SE	Refuse Heap	1890	1578368
L	307m SE	Unspecified Heaps	1938	1533686
K	313m N	Chimney	1966 - 1973	1578967
L	318m SE	Unspecified Shafts	1850	1463514
J	319m NW	Refuse Heap	1904	1512683
L	319m SE	Unspecified Old Shaft	1956	1446731
L	320m SE	Unspecified Old Shaft	1948	1483930
L	320m SE	Unspecified Old Shaft	1938	1483405
L	321m SE	Unspecified Shafts	1850	1463515
K	324m N	Unspecified Tank	1904	1473860
N	327m NE	Refuse Heap	1930	1493481
N	327m NE	Refuse Heap	1938	1509060
A	328m N	Refuse Heap	1938	1500375
N	328m NE	Refuse Heap	1948	1579689
L	332m SE	Unspecified Heap	1956	1468573
P	334m SE	Unspecified Disused Tip	1993	1480150
L	335m SE	Refuse Heap	1890	1513576
P	338m SE	Refuse Heap	1982	1539349
A	342m N	Unspecified Shaft	1930	1575147
L	343m SE	Unspecified Shafts	1850	1463516
N	344m NE	Unspecified Pit	1982	1452764
A	348m N	Unspecified Shaft	1938	1559909
A	362m N	Unspecified Shaft	1956	1447766
K	364m N	Unspecified Shaft	1854	1447768
A	368m N	Unspecified Shaft	1948	1447770

ID	Location	Land use	Dates present	Group ID
K	372m N	Unspecified Shaft	1854	1447767
7	374m N	Unspecified Depot	1993	1445535
K	392m N	Corn Mill	1854	1436634
K	395m NE	Unspecified Mill	1891	1448742
8	399m E	Unspecified Pit	1891 - 1904	1560812
K	404m N	Corn Mill	1854	1436635
9	410m NE	Unspecified Works	1854	1547388
10	452m NW	Unspecified Works	1966 - 1973	1546078
11	495m N	Coal Pit	1854	1454534

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m	**4**

Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 15 >**

ID	Location	Land use	Dates present	Group ID
A	201m N	Unspecified Tank	1988 - 1989	255120
A	308m N	Tanks	1913	250934
J	308m NW	Unspecified Tank	1977 - 1986	246599
K	322m N	Gasometer	1893 - 1906	245833

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m	10

Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 15 >**

ID	Location	Land use	Dates present	Group ID
I	235m SE	Electricity Substation	1988 - 1989	156902
I	237m SE	Electricity Substation	1993	145424
O	307m NE	Electricity Substation	1986 - 1997	157568
O	309m NE	Electricity Substation	1974 - 1977	161739
K	322m N	Gasometer	1893 - 1906	151121
A	394m N	Electricity Substation	1986	153303
A	394m N	Electricity Substation	1977	147312
A	398m N	Electricity Substation	1997	147451
A	398m N	Electricity Substation	1988 - 1989	157542
A	403m N	Electricity Substation	1974	153282

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m	0

Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m	22

Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 15 >**

ID	Location	Land use	Dates present	Group ID
D	141m E	Vehicle Scrap Yard	1988 - 1989	48407
D	144m E	Vehicle Scrap Yard	1974	52199
E	183m NE	Vehicle Scrap Yard	1988 - 1989	51059
D	183m NE	Garage	1991	49507
D	184m NE	Garage	1993 - 1997	48273
E	185m NE	Vehicle Scrap Yard	1974	48683
N	319m NE	Garage	1995 - 1997	47318
N	345m NE	Garage	1993	49249
N	347m NE	Garage	1991	47383
N	347m NE	Garage	1988	46919
N	347m NE	Garage	1988 - 1989	50196
N	350m NE	Garage	1974	52047
N	359m NE	Garage	1988 - 1989	49270
N	359m NE	Garage	1988	46927
N	361m NE	Garage	1986	47964
N	361m NE	Garage	1974	48837
N	362m NE	Garage	1977	48745
A	373m N	Garage	1991	46658
A	375m N	Garage	1993 - 1996	52134
Q	480m NW	Garage	1991	47271
Q	480m NW	Garage	1981	49739

ID	Location	Land use	Dates present	Group ID
Q	481m NW	Garage	1977	46870

This data is sourced from Ordnance Survey / Groundsure.

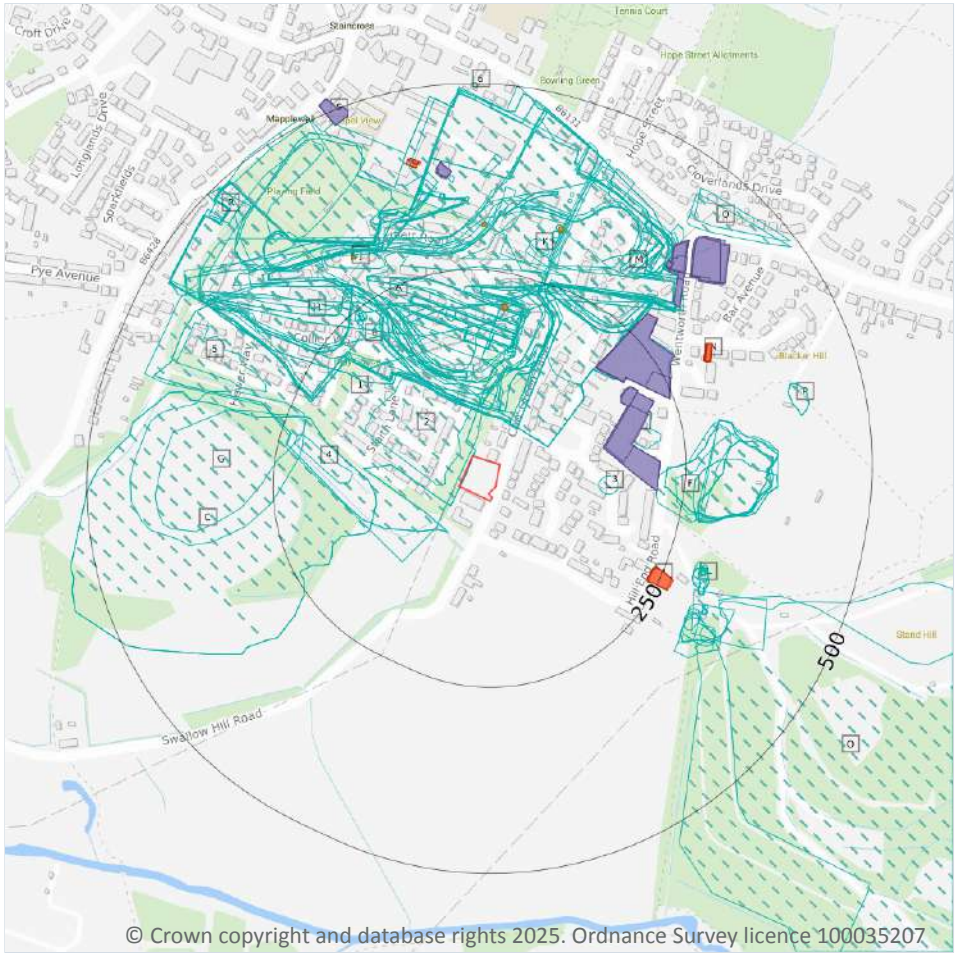
1.6 Historical military land

Records within 500m	**0**

Areas of military land digitised from multiple sources including the National Archives, local records, MOD records and verified other sources, intelligently grouped into contiguous features.

This data is sourced from Ordnance Survey / Groundsure / other sources.

2 Past land use - un-grouped



Site Outline

Search buffers in metres (m)

Historical industrial land uses

Historical tanks

Historical energy features

Historical garages

2.1 Historical industrial land uses

Records within 500m	179

Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 10,560 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 24 >**

ID	Location	Land Use	Date	Group ID
1	**On site**	**Refuse Heap**	**1982**	**1548154**
A	**On site**	**Colliery**	**1982**	**1535444**
B	5m NW	Unspecified Disused Tip	1993	1527705

ID	Location	Land Use	Date	Group ID
2	16m NW	Slurry Ponds	1982	1449068
A	53m NE	Colliery	1938	1580018
A	53m NE	Colliery	1938	1580018
A	55m NE	Colliery	1930	1505723
A	55m NE	Colliery	1930	1505723
A	55m NE	Colliery	1930	1505723
A	55m NE	Colliery	1930	1505723
A	59m N	Colliery	1948	1551706
A	59m N	Colliery	1904	1517960
A	61m NE	Colliery	1956	1522153
A	65m N	Refuse Heap	1904	1486247
A	66m N	Refuse Heap	1948	1567501
A	67m N	Unspecified Disused Tip	1973	1575299
A	67m N	Unspecified Mine	1973	1510671
A	67m N	Refuse Heap	1966	1536908
A	68m N	Refuse Heap	1930	1544011
A	68m N	Refuse Heap	1930	1544011
A	68m N	Refuse Heap	1930	1544011
A	68m N	Refuse Heap	1930	1544011
A	72m N	Colliery	1891	1532415
B	82m N	Refuse Heaps	1938	1512271
B	82m N	Refuse Heaps	1938	1512271
A	85m N	Refuse Heap	1891	1516987
A	91m N	Refuse Heap	1956	1567501
A	99m N	Railway Sidings	1938	1565018
A	105m N	Railway Sidings	1948	1560887
A	106m N	Railway Sidings	1930	1497195
A	106m N	Railway Sidings	1930	1497195

ID	Location	Land Use	Date	Group ID
A	106m N	Railway Sidings	1930	1497195
A	106m N	Railway Sidings	1930	1497195
C	113m W	Unspecified Disused Tip	1973	1481892
C	113m W	Refuse Heap	1966	1553436
A	126m N	Refuse Heap	1904	1576718
3	136m E	Sandstone Quarry	1854	1444881
4	144m W	Slurry Ponds	1982	1449067
A	145m N	Coke Ovens	1938	1512519
A	145m N	Coke Ovens	1930	1534224
A	145m N	Coke Ovens	1930	1534224
A	145m N	Coke Ovens	1930	1534224
A	145m N	Coke Ovens	1930	1534224
A	146m N	Coke Ovens	1904	1509817
B	149m NW	Refuse Heap	1948	1486151
A	150m N	Railway Sidings	1904	1540450
A	155m N	Railway Sidings	1891	1542461
D	165m E	Unspecified Depot	1993	1445534
A	166m N	Coke Ovens	1904	1508532
A	170m N	Railway Sidings	1973	1528140
A	170m N	Railway Sidings	1966	1528140
A	183m N	Railway Sidings	1982	1538038
E	191m NE	Unspecified Works	1993	1460687
A	201m N	Railway Sidings	1956	1525179
F	213m E	Sandstone Quarry	1854	1444880
B	215m NW	Engine House	1938	1541277
G	217m W	Refuse Heap	1956	1542718
G	222m W	Unspecified Heap	1948	1466131
F	223m E	Unspecified Quarry	1948	1542130

ID	Location	Land Use	Date	Group ID
F	223m E	Unspecified Quarry	1904	1536010
F	223m E	Unspecified Quarry	1891	1536010
E	224m NE	Refuse Heap	1930	1531468
E	224m NE	Refuse Heap	1930	1531468
E	224m NE	Refuse Heap	1930	1531468
E	224m NE	Refuse Heap	1930	1531468
E	225m NE	Refuse Heap	1948	1511366
E	225m NE	Refuse Heap	1938	1506743
E	225m NE	Refuse Heap	1938	1506743
B	227m NW	Old Engine	1854	1482362
H	230m NW	Refuse Heap	1948	1501955
E	230m NE	Refuse Heap	1956	1564670
H	231m NW	Refuse Heap	1930	1521292
H	231m NW	Refuse Heap	1930	1521292
H	231m NW	Refuse Heap	1930	1521292
H	231m NW	Refuse Heap	1930	1521292
E	231m NE	Unspecified Disused Tip	1973	1480155
E	231m NE	Refuse Heap	1966	1579829
B	232m NW	Engine House	1904	1543099
B	232m NW	Engine House	1891	1543099
B	232m NW	Engine House	1930	1537028
B	232m NW	Engine House	1930	1537028
B	232m NW	Engine House	1930	1537028
B	232m NW	Engine House	1930	1537028
H	233m NW	Refuse Heap	1956	1501955
B	236m NW	Old Engine	1854	1482362
F	237m E	Refuse Heap	1982	1485401
E	242m NE	Coal Pit	1854	1454537

ID	Location	Land Use	Date	Group ID
E	251m NE	Coal Pit	1854	1454536
A	252m N	Unspecified Mine	1966	1510671
F	263m E	Unspecified Disused Tip	1973	1480154
F	263m E	Refuse Heap	1966	1519912
F	272m E	Unspecified Quarry	1930	1582967
F	272m E	Unspecified Quarry	1930	1582967
F	272m E	Unspecified Quarry	1930	1582967
F	272m E	Unspecified Quarry	1930	1582967
F	272m E	Unspecified Quarry	1938	1564950
F	276m E	Unspecified Disused Quarry	1956	1461926
A	278m N	Refuse Heap	1904	1505278
J	281m NW	Refuse Heap	1904	1530151
K	282m N	Refuse Heaps	1904	1432589
L	288m E	Unspecified Ground Workings	1956	1490349
5	288m NW	Slurry Ponds	1982	1449066
K	288m N	Refuse Heap	1891	1435428
L	289m E	Unspecified Ground Workings	1948	1551704
L	289m E	Unspecified Ground Workings	1904	1540429
L	289m E	Unspecified Heap	1938	1513699
L	289m E	Unspecified Heap	1938	1513699
L	294m E	Unspecified Shaft	1850	1447769
L	297m E	Unspecified Old Shaft	1938	1497872
L	297m E	Unspecified Old Shaft	1938	1497872
L	298m E	Unspecified Old Shaft	1956	1446730
L	299m E	Unspecified Old Shaft	1948	1497872
L	299m E	Unspecified Old Shaft	1904	1550573
L	299m SE	Colliery	1850	1469147
J	299m NW	Unspecified Disused Tip	1973	1546277

ID	Location	Land Use	Date	Group ID
J	299m NW	Refuse Heap	1966	1508760
J	300m NW	Unspecified Disused Tip	1982	1527705
J	302m NW	Refuse Heap	1948	1499504
J	302m NW	Refuse Heap	1930	1541395
J	302m NW	Refuse Heap	1930	1541395
J	302m NW	Refuse Heap	1930	1541395
J	302m NW	Refuse Heap	1930	1541395
J	302m N	Refuse Heap	1956	1498998
M	302m NE	Refuse Heap	1904	1501829
L	303m SE	Disused Colliery	1890	1447217
J	304m NW	Refuse Heap	1938	1572966
J	304m NW	Refuse Heap	1938	1572966
L	304m SE	Unspecified Heap	1956	1468572
L	306m SE	Unspecified Heaps	1948	1573726
L	306m SE	Refuse Heap	1904	1547878
L	307m SE	Refuse Heap	1890	1578368
L	307m SE	Unspecified Heaps	1938	1533686
L	307m SE	Unspecified Heaps	1938	1533686
K	313m N	Chimney	1973	1578967
K	313m N	Chimney	1966	1578967
L	318m SE	Unspecified Shafts	1850	1463514
J	319m NW	Refuse Heap	1904	1512683
L	319m SE	Unspecified Old Shaft	1956	1446731
L	320m SE	Unspecified Old Shaft	1948	1483930
L	320m SE	Unspecified Old Shaft	1938	1483405
L	320m SE	Unspecified Old Shaft	1938	1483405
L	321m SE	Unspecified Shafts	1850	1463515
K	324m N	Unspecified Tank	1904	1473860

ID	Location	Land Use	Date	Group ID
M	327m NE	Refuse Heap	1930	1493481
M	327m NE	Refuse Heap	1930	1493481
M	327m NE	Refuse Heap	1930	1493481
M	327m NE	Refuse Heap	1930	1493481
M	327m NE	Refuse Heap	1938	1509060
M	327m NE	Refuse Heap	1938	1509060
A	328m N	Refuse Heap	1938	1500375
A	328m N	Refuse Heap	1938	1500375
M	328m NE	Refuse Heap	1948	1579689
L	332m SE	Unspecified Heap	1956	1468573
O	334m SE	Unspecified Disused Tip	1993	1480150
L	335m SE	Refuse Heap	1890	1513576
O	338m SE	Refuse Heap	1982	1539349
A	342m N	Unspecified Shaft	1930	1575147
A	342m N	Unspecified Shaft	1930	1575147
A	342m N	Unspecified Shaft	1930	1575147
A	342m N	Unspecified Shaft	1930	1575147
L	343m SE	Unspecified Shafts	1850	1463516
M	344m NE	Unspecified Pit	1982	1452764
A	348m N	Unspecified Shaft	1938	1559909
A	348m N	Unspecified Shaft	1938	1559909
A	362m N	Unspecified Shaft	1956	1447766
K	364m N	Unspecified Shaft	1854	1447768
A	368m N	Unspecified Shaft	1948	1447770
K	372m N	Unspecified Shaft	1854	1447767
A	374m N	Unspecified Depot	1993	1445535
K	392m N	Corn Mill	1854	1436634
K	395m NE	Unspecified Mill	1891	1448742

ID	Location	Land Use	Date	Group ID
P	399m E	Unspecified Pit	1904	1560812
P	399m E	Unspecified Pit	1891	1560812
K	404m N	Corn Mill	1854	1436635
Q	410m NE	Unspecified Works	1854	1547388
Q	422m NE	Unspecified Works	1854	1547388
R	452m NW	Unspecified Works	1973	1546078
R	452m NW	Unspecified Works	1966	1546078
6	495m N	Coal Pit	1854	1454534

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m	**10**

Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 24 >**

ID	Location	Land Use	Date	Group ID
A	201m N	Unspecified Tank	1988	255120
A	201m N	Unspecified Tank	1988	255120
A	201m N	Unspecified Tank	1989	255120
A	201m N	Unspecified Tank	1989	255120
A	308m N	Tanks	1913	250934
J	308m NW	Unspecified Tank	1986	246599
A	308m N	Tanks	1913	250934
J	308m NW	Unspecified Tank	1977	246599
K	322m N	Gasometer	1893	245833
K	322m N	Gasometer	1906	245833

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m	**27**

Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 24 >**

ID	Location	Land Use	Date	Group ID
I	235m SE	Electricity Substation	1988	156902
I	235m SE	Electricity Substation	1988	156902
I	235m SE	Electricity Substation	1989	156902
I	235m SE	Electricity Substation	1989	156902
I	237m SE	Electricity Substation	1993	145424
N	307m NE	Electricity Substation	1988	157568
N	307m NE	Electricity Substation	1988	157568
N	307m NE	Electricity Substation	1989	157568
N	307m NE	Electricity Substation	1989	157568
N	309m NE	Electricity Substation	1995	157568
N	309m NE	Electricity Substation	1996	157568
N	309m NE	Electricity Substation	1993	157568
N	309m NE	Electricity Substation	1997	157568
N	309m NE	Electricity Substation	1986	157568
N	309m NE	Electricity Substation	1991	157568
N	309m NE	Electricity Substation	1977	161739
N	310m NE	Electricity Substation	1974	161739
K	322m N	Gasometer	1893	151121
K	322m N	Gasometer	1906	151121
A	394m N	Electricity Substation	1986	153303
A	394m N	Electricity Substation	1977	147312
A	398m N	Electricity Substation	1997	147451
A	398m N	Electricity Substation	1988	157542

ID	Location	Land Use	Date	Group ID
A	398m N	Electricity Substation	1988	157542
A	398m N	Electricity Substation	1989	157542
A	398m N	Electricity Substation	1989	157542
A	403m N	Electricity Substation	1974	153282

This data is sourced from Ordnance Survey / Groundsure.

2.4 Historical petrol stations

Records within 500m	0

Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

2.5 Historical garages

Records within 500m	38

Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 24 >**

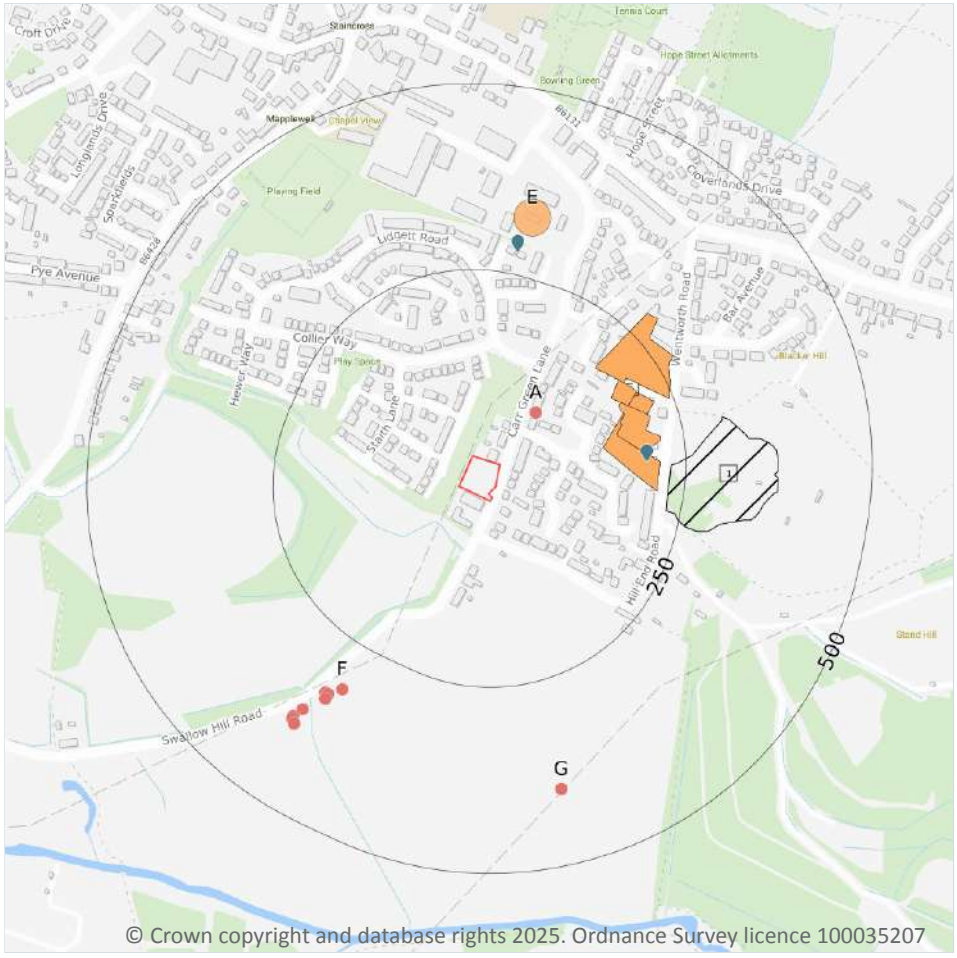
ID	Location	Land Use	Date	Group ID
D	141m E	Vehicle Scrap Yard	1988	48407
D	141m E	Vehicle Scrap Yard	1988	48407
D	141m E	Vehicle Scrap Yard	1989	48407
D	141m E	Vehicle Scrap Yard	1989	48407
D	144m E	Vehicle Scrap Yard	1974	52199
E	183m NE	Vehicle Scrap Yard	1988	51059
E	183m NE	Vehicle Scrap Yard	1988	51059
E	183m NE	Vehicle Scrap Yard	1989	51059
E	183m NE	Vehicle Scrap Yard	1989	51059

ID	Location	Land Use	Date	Group ID
D	183m NE	Garage	1991	49507
D	184m NE	Garage	1995	48273
D	184m NE	Garage	1996	48273
D	184m NE	Garage	1993	48273
D	184m NE	Garage	1997	48273
E	185m NE	Vehicle Scrap Yard	1974	48683
M	319m NE	Garage	1995	47318
M	319m NE	Garage	1996	47318
M	319m NE	Garage	1997	47318
M	345m NE	Garage	1993	49249
M	347m NE	Garage	1991	47383
M	347m NE	Garage	1988	50196
M	347m NE	Garage	1988	46919
M	347m NE	Garage	1989	50196
M	350m NE	Garage	1974	52047
M	359m NE	Garage	1988	49270
M	359m NE	Garage	1989	49270
M	359m NE	Garage	1988	46927
M	361m NE	Garage	1986	47964
M	361m NE	Garage	1974	48837
M	362m NE	Garage	1977	48745
A	373m N	Garage	1991	46658
A	375m N	Garage	1995	52134
A	375m N	Garage	1996	52134
A	375m N	Garage	1993	52134
S	480m NW	Garage	1981	49739
S	480m NW	Garage	1991	47271
S	480m NW	Garage	1991	47271

ID	Location	Land Use	Date	Group ID
S	481m NW	Garage	1977	46870

This data is sourced from Ordnance Survey / Groundsure.

3 Waste and landfill



3.1 Active or recent landfill

Records within 500m	0

Active or recently closed landfill sites under Environment Agency/Natural Resources Wales regulation.

This data is sourced from the Environment Agency and Natural Resources Wales.

3.2 Historical landfill (BGS records)

Records within 500m	0

Landfill sites identified on a survey carried out on behalf of the DoE in 1973. These sites may have been closed or operational at this time.

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m	0

Landfill sites identified from Local Authority records and high detail historical mapping.

This data is sourced from the Ordnance Survey/Groundsure and Local Authority records.

3.4 Historical landfill (EA/NRW records)

Records within 500m	1

Known historical (closed) landfill sites (e.g. sites where there is no PPC permit or waste management licence currently in force). This includes sites that existed before the waste licensing regime and sites that have been licensed in the past but where a licence has been revoked, ceased to exist or surrendered and a certificate of completion has been issued.

Features are displayed on the Waste and landfill map on **page 36 >**

ID	Location	Details		
1	229m E	Site Address: Blacker Hill Quarry, Wentworth Road, Mapplewell, Barnsley Licence Holder Address: 114 Wentworth Road, Mapplewell, Barnsley	Waste Licence: Yes Site Reference: WD20 B278 Waste Type: Inert, Industrial, Commercial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 01/04/1980 Licence Surrender: 06/07/1984	Operator: Mr R Smith Licence Holder: Blacker Hill Quarry Limited First Recorded 01/04/1980 Last Recorded: 31/12/1984

This data is sourced from the Environment Agency and Natural Resources Wales.

3.5 Historical waste sites

Records within 500m	16

Waste site records derived from Local Authority planning records and high detail historical mapping.

Features are displayed on the Waste and landfill map on **page 36 >**

ID	Location	Address	Further Details	Date
B	141m E	Site Address: N/A	Type of Site: Vehicle Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1988

ID	Location	Address	Further Details	Date
B	141m E	Site Address: N/A	Type of Site: Vehicle Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1988
B	141m E	Site Address: N/A	Type of Site: Vehicle Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1989
B	141m E	Site Address: N/A	Type of Site: Vehicle Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1989
B	162m E	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1991
B	162m E	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1995
B	162m E	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1993
C	175m NE	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1988
C	175m NE	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1988
C	175m NE	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1989

ID	Location	Address	Further Details	Date
C	175m NE	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1989
D	183m NE	Site Address: N/A	Type of Site: Vehicle Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1988
D	183m NE	Site Address: N/A	Type of Site: Vehicle Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1988
D	183m NE	Site Address: N/A	Type of Site: Vehicle Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1989
D	183m NE	Site Address: N/A	Type of Site: Vehicle Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1989
E	305m N	Site Address: Unit B, Mapplewell Business, Park, Mapplewell, BARNSLEY, South Yorkshire, S75 6BP	Type of Site: Waste Tranfer Station C/U Planning application reference: 95/0450/DJ Description: Project comprises change of use to waste transfer station of 3575 sq m and the erection of an electricity sub station. An application (ref: 95/0450/DJ) for Detailed Planning permission was submitted to Barnsley B.C. on 7th April 1995. Data source: Historic Planning Application Data Type: Point	-

This data is sourced from Ordnance Survey/Groundsure and Local Authority records.

3.6 Licensed waste sites

Records within 500m	5

Active or recently closed waste sites under Environment Agency/Natural Resources Wales regulation.

Features are displayed on the Waste and landfill map on **page 36 >**

ID	Location	Details		
B	197m E	Site Name: Mapplewell Auto Salvage Site Address: Land/premises At, Wentworth Road, Mapplewell, Barnsley, South Yorkshire, S75 6BS Correspondence Address: -	Type of Site: Metal Recycling Site (Vehicle Dismantler) Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: 653445 EPR reference: EA/EPR/AP3890ZG Operator: Mapplewell Auto Salvage Waste Management licence No: 60555 Annual Tonnage: 0	Issue Date: 22/11/1996 Effective Date: 22/11/1996 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired
B	197m E	Site Name: Mapplewell Auto Salvage Site Address: Wentworth Road, Mapplewell, Barnsley, S Yorks, S75 6BS Correspondence Address: Wentworth Road, Mapplewell, Barnsley, S Yorks, S75 6BS	Type of Site: Metal Recycling Site (Vehicle Dismantler) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MAP001 EPR reference: - Operator: Mapplewell Autosalvage Waste Management licence No: 60555 Annual Tonnage: 0	Issue Date: 22/11/1996 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
B	197m E	Site Name: Mapplewell Auto Salvage Site Address: Land/premises At, Wentworth Road, Mapplewell, Barnsley, South Yorkshire, S75 6BS Correspondence Address: -	Type of Site: Metal Recycling Site (Vehicle Dismantler) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 649528 EPR reference: EA/EPR/AP3890ZG Operator: Mapplewell Auto Salvage Waste Management licence No: 60555 Annual Tonnage: 5000	Issue Date: 22/11/1996 Effective Date: 22/11/1996 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired
E	292m N	Site Name: Q N Q Motor Services Uk Ltd Site Address: Mapplewell Industrial Park, Mapplewell Drive, Mapplewell, Barnsley, South Yorkshire, S75 6BS Correspondence Address: -	Type of Site: Vehicle Depollution Facility 5000 tps Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: PQU001 EPR reference: EA/EPR/LP3490VX/V003 Operator: Qualter-Smith Paul Anthony Waste Management licence No: 65486 Annual Tonnage: 4999	Issue Date: 10/09/2007 Effective Date: - Modified: 27/11/2015 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified

ID	Location	Details		
E	292m N	Site Name: Q N Q Motor Services Uk Ltd Site Address: Mapplewell Industrial Park, Mapplewell Drive, Mapplewell, Barnsley, South Yorkshire, S75 6BS Correspondence Address: -	Type of Site: Vehicle Depollution Facility 5000 tps Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 629548 EPR reference: EA/EPR/LP3490VX Operator: Paul Anthony Qualter-Smith Waste Management licence No: 65486 Annual Tonnage: 0	Issue Date: 10/09/2007 Effective Date: 10/09/2007 Modified: - Surrendered Date: 10/09/2007 Expiry Date: - Cancelled Date: - Status: Surrendered

This data is sourced from the Environment Agency and Natural Resources Wales.

3.7 Waste exemptions

Records within 500m **16**

Activities involving the storage, treatment, use or disposal of waste that are exempt from needing a permit. Exemptions have specific limits and conditions that must be adhered to.

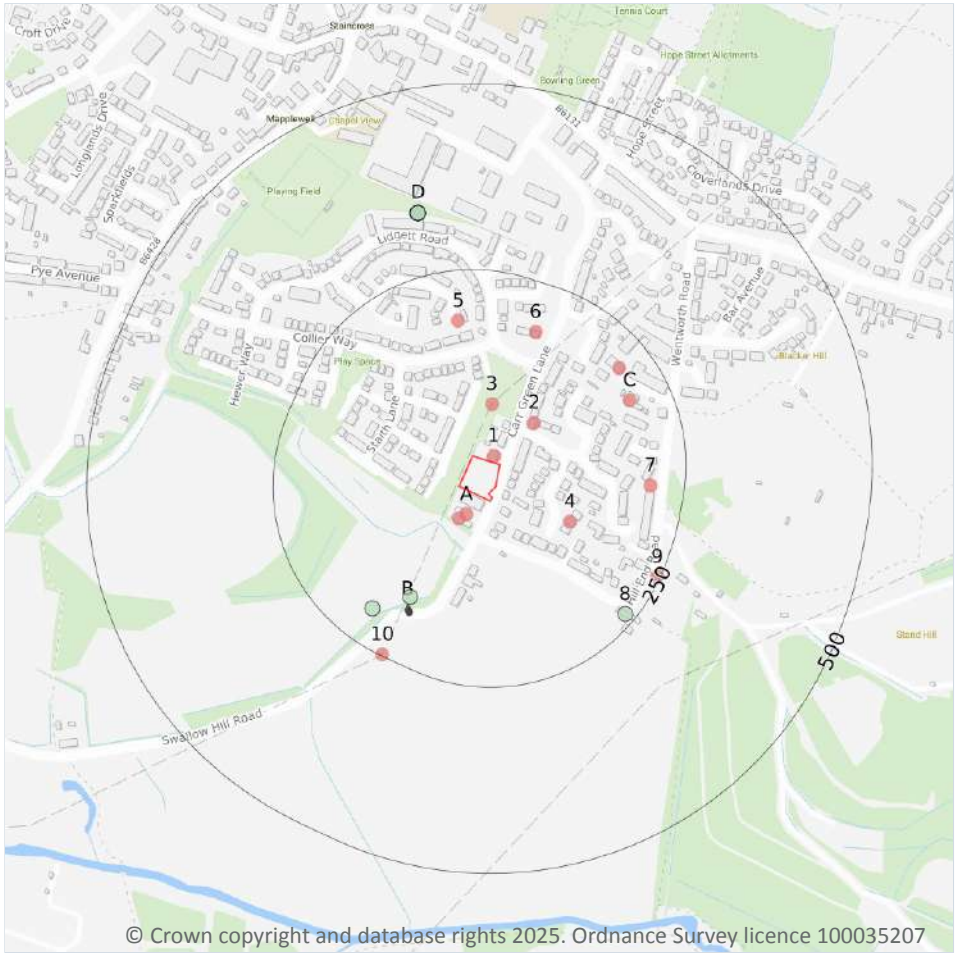
Features are displayed on the Waste and landfill map on **page 36 >**

ID	Location	Site	Reference	Category	Sub-Category	Description
A	85m NE	Harron Homes Lavender Fold, Off Carr Lane, Mapplewell, Barnsley, S75 6dy	WEX083810	Using waste exemption	Not on a farm	Use of waste in construction
A	85m NE	Lavender Fold, Off Carr Green Lane, Mapplewell, S75 6dy	WEX156881	Using waste exemption	Not on a farm	Use of waste in construction
A	85m NE	Residential Development, Carr Green Lane, Mapplewell, Barnsley, S75 6dy	WEX128338	Storing waste exemption	Not on a farm	Storage of waste in a secure place
A	85m NE	Residential Development, Carr Green Lane, Mapplewell, Barnsley, S75 6dy	WEX128338	Using waste exemption	Not on a farm	Use of waste in construction
F	315m SW	Barnsley Road, Nether End Farm, Denby Dale, Huddersfield, Hd8 8yl	WEX118647	Storing waste exemption	On a farm	Storage of sludge

ID	Location	Site	Reference	Category	Sub-Category	Description
F	330m SW	Barnsley Road, Nether End Farm, Denby Dale, Huddersfield, Hd8 8yl	WEX068358	Storing waste exemption	On a farm	Storage of sludge
F	331m SW	Barnsley Road, Nether End Farm, Denby Dale, Huddersfield, Hd8 8yl	WEX157935	Storing waste exemption	On a farm	Storage of sludge
F	338m SW	Nether End Farm Barnsley Road Huddersfield Hd8 8yl	EPR/RF0707GT/A001	Storing waste exemption	Non-agricultural waste only	Storage of sludge
F	366m SW	Nether End Farm Barnsley Road Huddersfield Hd8 8yl	EPR/FF0409WF/A001	Storing waste exemption	Non-agricultural waste only	Storage of sludge
F	381m SW	Barnsley Road, Nether End Farm, Denby Dale, Huddersfield, Hd8 8yl	WEX111901	Storing waste exemption	On a farm	Storage of sludge
F	385m SW	-	WEX420705	Storing waste exemption	On a farm	Storage of sludge
F	389m SW	-	WEX260289	Storing waste exemption	On a farm	Storage of sludge
G	398m S	-	WEX394317	Using waste exemption	Not on a farm	Use of waste in construction
G	398m S	Hill End Road, Mapplewell, Barnsley, S75 6dx	WEX264470	Using waste exemption	Not on a farm	Use of waste in construction
G	398m S	-	WEX124508	Using waste exemption	Not on a farm	Use of waste in construction
G	398m S	Mapplewell Meadows Farm Hill End Road Mapplewell South Yorkshire	EPR/CF0305XQ/A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of waste in construction

This data is sourced from the Environment Agency and Natural Resources Wales.

4 Current industrial land use



4.1 Recent industrial land uses

Records within 250m	13

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 43 >**

ID	Location	Company	Address	Activity	Category
1	9m N	Dent Devils Leeds	68, Carr Green Lane, Mapplewell, Barnsley, South Yorkshire, S75 6DY	Vehicle Repair, Testing and Servicing	Repair and Servicing
A	30m SW	Works	South Yorkshire, S75	Unspecified Works Or Factories	Industrial Features

ID	Location	Company	Address	Activity	Category
A	40m SW	Specialised Aerosols	Carr Green Lane, Mapplewell, Barnsley, South Yorkshire, S75 6DY	Colours, Chemicals and Water Softeners and Supplies	Industrial Products
2	73m NE	Top Print	53, Carr Green Lane, Mapplewell, Barnsley, South Yorkshire, S75 6DY	Construction Completion Services	Construction Services
3	74m N	Pylon	South Yorkshire, S75	Electrical Features	Infrastructure and Facilities
4	110m E	Bris Co Ltd	11, Tay Close, Mapplewell, Barnsley, South Yorkshire, S75 6FS	Civil Engineers	Engineering Services
5	182m N	Electricity Sub Station	South Yorkshire, S75	Electrical Features	Infrastructure and Facilities
6	184m N	Joe Taylor	2, Lidgett Road, Mapplewell, Barnsley, South Yorkshire, S75 6GZ	Vehicle Repair, Testing and Servicing	Repair and Servicing
C	195m NE	Goodyear Coaches	Edward Street, Mapplewell, Barnsley, South Yorkshire, S75 6BL	Vehicle Hire and Rental	Hire Services
7	204m E	Electricity Sub Station	South Yorkshire, S75	Electrical Features	Infrastructure and Facilities
C	206m NE	Comprehensive Asbestos Removal Ltd	Unit 12 Courtyard 3, Wentworth Road, Mapplewell, Barnsley, South Yorkshire, S75 6DT	Recycling, Reclamation and Disposal	Recycling Services
9	246m SE	Electricity Sub Station	South Yorkshire, S75	Electrical Features	Infrastructure and Facilities
10	248m SW	Pylon	South Yorkshire, S75	Electrical Features	Infrastructure and Facilities

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m	**0**

Open, closed, under development and obsolete petrol stations.

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m	0

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m	0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m	0

Contaminated Land Register of sites designated under Part 2a of the Environmental Protection Act 1990.

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m	0

Control of Major Accident Hazards (COMAH) sites. This data includes upper and lower tier sites, and includes a historical archive of COMAH sites and Notification of Installations Handling Hazardous Substances (NIHHS) records.

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m	0

Sites registered and licensed by the Health and Safety Executive under the Manufacture and Storage of Explosives Regulations 2005 (MSER). The last update to this data was in April 2011.

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m	0

Consents granted for a site to hold certain quantities of hazardous substances at or above defined limits in accordance with the Planning (Hazardous Substances) Regulations 2015.

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m	0

Integrated Pollution Control (IPC) records of substance releases to air, land and water. This data represents a historical archive as the IPC regime has been superseded.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.10 Licensed industrial activities (Part A(1))

Records within 500m	0

Records of Part A(1) installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.11 Licensed pollutant release (Part A(2)/B)

Records within 500m	0

Records of Part A(2) and Part B installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m	0

Records of the storage, use, accumulation and disposal of radioactive substances regulated under the Radioactive Substances Act 1993.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.13 Licensed Discharges to controlled waters

Records within 500m	3

Discharges of treated or untreated effluent to controlled waters under the Water Resources Act 1991.

Features are displayed on the Current industrial land use map on **page 43 >**

ID	Location	Address	Details	
B	178m SW	CARRGREENCSO,CARRGREEN(OPPNO123,MAPPLEWELL,BARNSLEY,SOUTHYORKSHIRE,S756FS	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: C4139 Permit Version: 1 Receiving Water: UNNAMED TRIB OF RIVER DEARNE	Status: TRANSFERRED FROM COPA 1974 Issue date: 20/12/1985 Effective Date: 20/12/1985 Revocation Date: 30/03/2005
B	178m SW	CARRGREENCSO,CARRGREEN(OPPNO123,MAPPLEWELL,BARNSLEY,SOUTHYORKSHIRE,S756FS	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: C4139 Permit Version: 2 Receiving Water: UNNAMED TRIB OF RIVER DEARNE	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 28/02/2005 Effective Date: 31/03/2005 Revocation Date: 14/11/2017
B	179m SW	CARRGREENCSO,CARRGREEN(OPPNO123,MAPPLEWELL,BARNSLEY,SOUTHYORKSHIRE,S756FS	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: C4139 Permit Version: 3 Receiving Water: DYKE TO RIVER DEARNE	Status: VARIED UNDER EPR 2010 Issue date: 15/11/2017 Effective Date: 15/11/2017 Revocation Date: -

This data is sourced from the Environment Agency and Natural Resources Wales.

4.14 Pollutant release to surface waters (Red List)

Records within 500m	0

Discharges of specified substances under the Environmental Protection (Prescribed Processes and Substances) Regulations 1991.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.15 Pollutant release to public sewer

Records within 500m	0

Discharges of Special Category Effluents to the public sewer.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.16 List 1 Dangerous Substances

Records within 500m	0

Discharges of substances identified on List I of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.17 List 2 Dangerous Substances

Records within 500m	0

Discharges of substances identified on List II of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.18 Pollution Incidents (EA/NRW)

Records within 500m	8

Records of substantiated pollution incidents. Since 2006 this data has only included category 1 (major) and 2 (significant) pollution incidents.

Features are displayed on the Current industrial land use map on **page 43 >**

ID	Location	Details	
B	162m SW	Incident Date: 19/09/2002 Incident Identification: 109062 Pollutant: Oils and Fuel Pollutant Description: Unidentified Oil	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
B	201m SW	Incident Date: 08/08/2001 Incident Identification: 22839 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

ID	Location	Details	
8	236m SE	Incident Date: 10/05/2002 Incident Identification: 78029 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
D	335m N	Incident Date: 14/06/2001 Incident Identification: 9372 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 2 (Significant)
D	335m N	Incident Date: 14/06/2001 Incident Identification: 9372 Pollutant: Contaminated Water Pollutant Description: Firefighting Run-Off	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 2 (Significant)
D	335m N	Incident Date: 14/06/2001 Incident Identification: 9372 Pollutant: Atmospheric Pollutants and Effects:Contaminated Water Pollutant Description: Smoke:Firefighting Run-Off	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 2 (Significant)
D	335m N	Incident Date: 14/06/2001 Incident Identification: 9372 Pollutant: Contaminated Water Pollutant Description: Smoke Firefighting Run-Off	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 2 (Significant)
D	335m N	Incident Date: 14/06/2001 Incident Identification: 9372 Pollutant: Atmospheric Pollutants and Effects : Contaminated Water Pollutant Description: Smoke :Firefighting Run-Off	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 2 (Significant)

This data is sourced from the Environment Agency and Natural Resources Wales.

4.19 Pollution inventory substances

Records within 500m	**0**

The pollution inventory (substances) includes reporting on annual emissions of certain regulated substances to air, controlled waters and land. A reporting threshold for each substance is also included. Where emissions fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.

4.20 Pollution inventory waste transfers

Records within 500m	0

The pollution inventory (waste transfers) includes reporting on annual transfers and recovery/disposal of controlled wastes from a site. A reporting threshold for each waste type is also included. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.

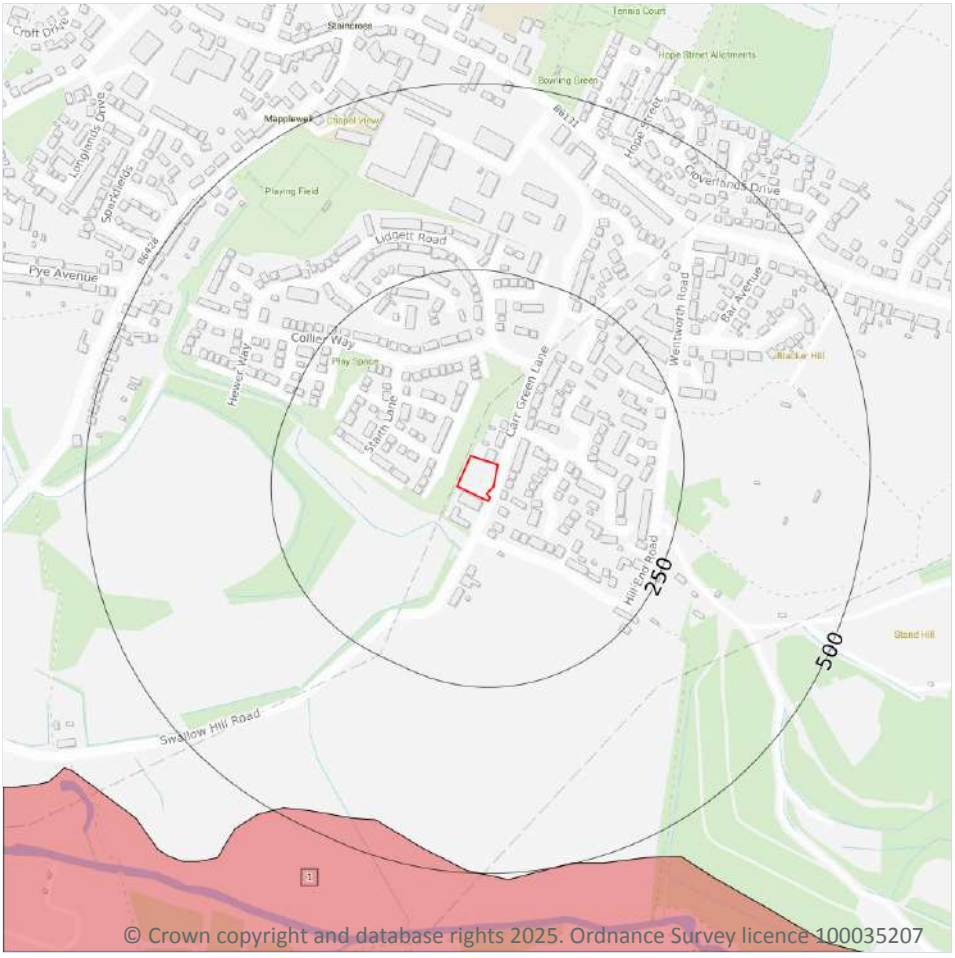
4.21 Pollution inventory radioactive waste

Records within 500m	0

The pollution inventory (radioactive wastes) includes reporting on annual releases of radioactive substances from a site, including the means of release. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.

5 Hydrogeology - Superficial aquifer



Site Outline

Search buffers in metres (m)

- Principal
- Secondary A
- Secondary B
- Secondary Undifferentiated
- Unproductive
- Unknown

5.1 Superficial aquifer

Records within 500m	1

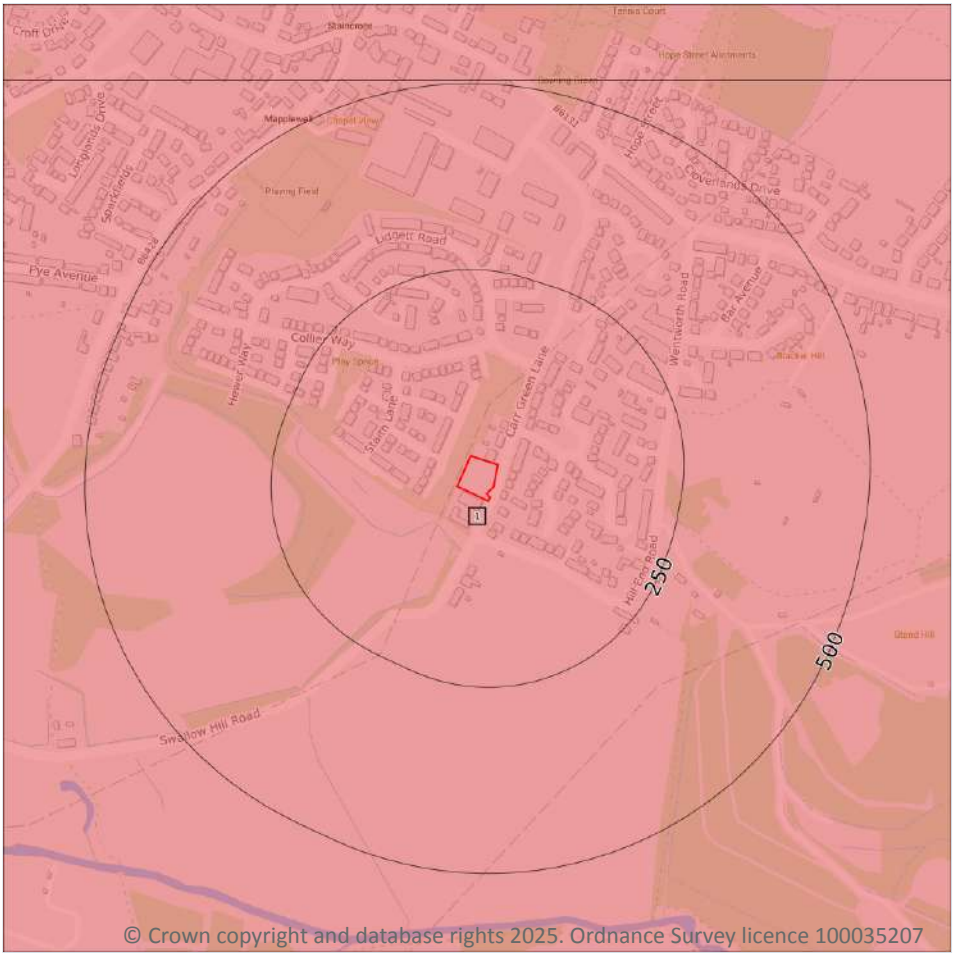
Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on **page 51 >**

ID	Location	Designation	Description
1	454m S	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.

Bedrock aquifer



5.2 Bedrock aquifer

Records within 500m	1

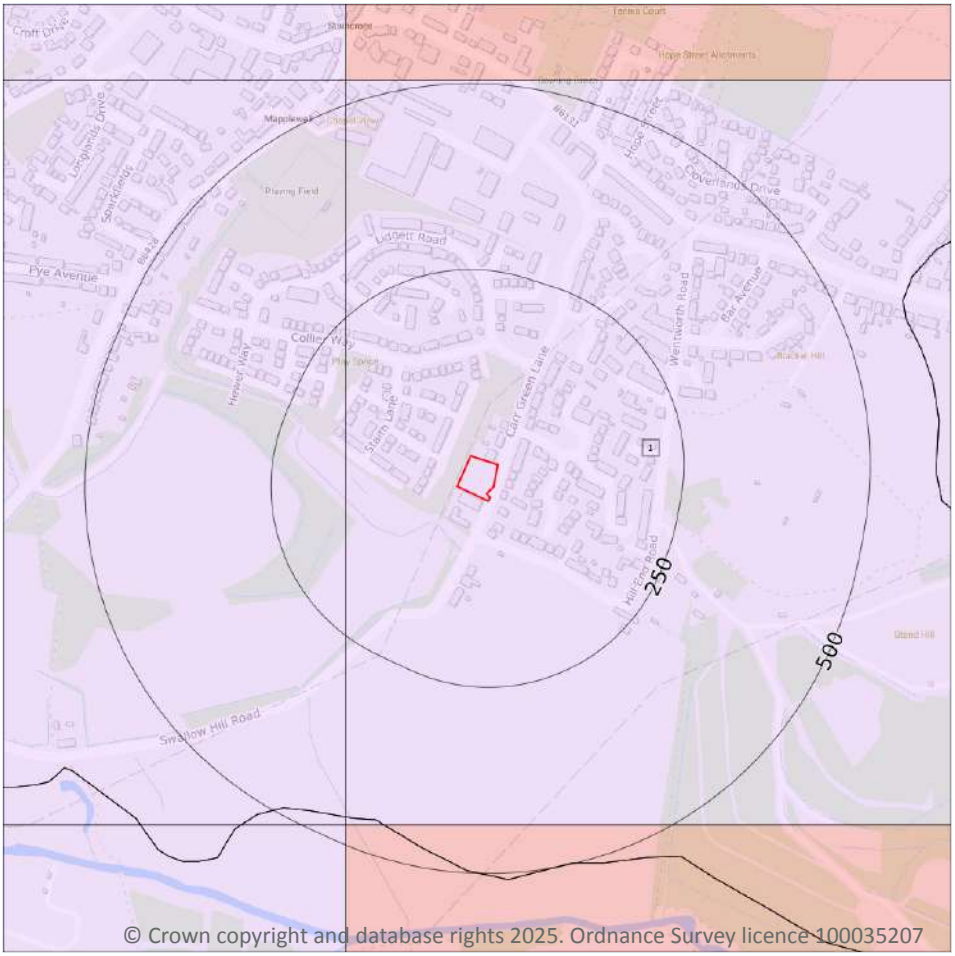
Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on **page 52 >**

ID	Location	Designation	Description
1	**On site**	**Secondary A**	**Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers**

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.

Groundwater vulnerability



Site Outline

Search buffers in metres (m)

Superficial vulnerability

- Principal superficial aquifer, high vulnerability
- Secondary superficial aquifer, high vulnerability
- Principal superficial aquifer, medium vulnerability
- Secondary superficial aquifer, medium vulnerability
- Principal superficial aquifer, low vulnerability
- Secondary superficial aquifer, low vulnerability

Bedrock vulnerability

- Principal bedrock aquifer, high vulnerability
- Secondary bedrock aquifer, high vulnerability
- Principal bedrock aquifer, medium vulnerability
- Secondary bedrock aquifer, medium vulnerability
- Principal bedrock aquifer, low vulnerability
- Secondary bedrock aquifer, low vulnerability

Other information

- Unproductive aquifer
- Soluble rock risk
- Local information

5.3 Groundwater vulnerability

Records within 50m	1

An assessment of the vulnerability of groundwater to a pollutant discharged at ground level based on the hydrological, geological, hydrogeological and soil properties within a one kilometre square grid. Groundwater vulnerability is described as High, Medium or Low as follows:

- High - Areas able to easily transmit pollution to groundwater. They are likely to be characterised by high leaching soils and the absence of low permeability superficial deposits.
- Medium - Intermediate between high and low vulnerability.
- Low - Areas that provide the greatest protection from pollution. They are likely to be characterised by low leaching soils and/or the presence of superficial deposits characterised by a low permeability.

Features are displayed on the Groundwater vulnerability map on **page 53 >**

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	**Summary Classification: Secondary bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer**	**Leaching class: Low Infiltration value: <40% Dilution value: 300-550mm/year**	**Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data**	**Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Well connected fractures**

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.

5.4 Groundwater vulnerability- soluble rock risk

Records on site	0

This dataset identifies areas where solution features that enable rapid movement of a pollutant may be present within a 1km grid square.

This data is sourced from the British Geological Survey and the Environment Agency.

5.5 Groundwater vulnerability- local information

Records on site	0

This dataset identifies areas where additional local information affecting vulnerability is held by the Environment Agency. Further information can be obtained by contacting the Environment Agency local Area groundwater team through the Environment Agency National Customer Call Centre on 03798 506 506 or by email on enquiries@environment-agency.gov.uk ↗.

This data is sourced from the British Geological Survey and the Environment Agency.

Abstractions and Source Protection Zones

5.6 Groundwater abstractions

Records within 2000m	0

Licensed groundwater abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, between two points (line data) or a larger area.

This data is sourced from the Environment Agency and Natural Resources Wales.

5.7 Surface water abstractions

Records within 2000m	0

Licensed surface water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

This data is sourced from the Environment Agency and Natural Resources Wales.

5.8 Potable abstractions

Records within 2000m	0

Licensed potable water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

This data is sourced from the Environment Agency and Natural Resources Wales.

5.9 Source Protection Zones

Records within 500m	0

Source Protection Zones define the sensitivity of an area around a potable abstraction site to contamination.

This data is sourced from the Environment Agency and Natural Resources Wales.

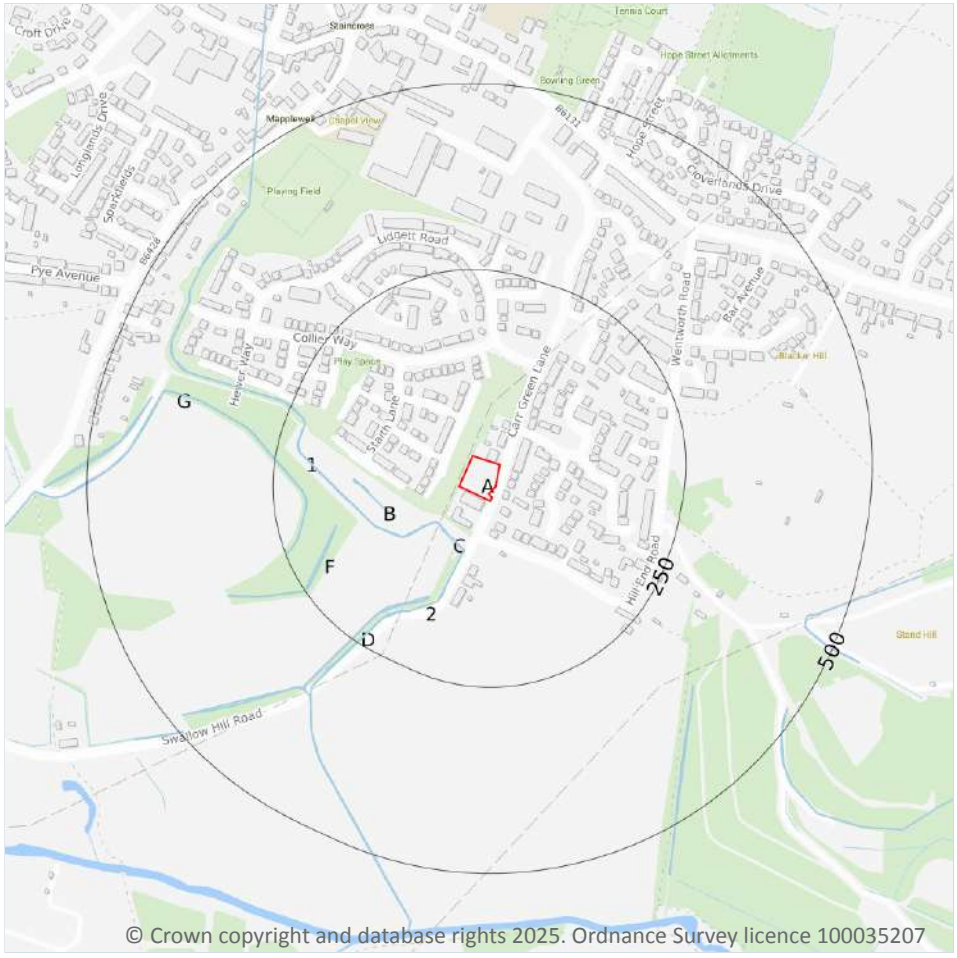
5.10 Source Protection Zones (confined aquifer)

Records within 500m	0

Source Protection Zones in the confined aquifer define the sensitivity around a deep groundwater abstraction to contamination. A confined aquifer would normally be protected from contamination by overlying geology and is only considered a sensitive resource if deep excavation/drilling is taking place.

This data is sourced from the Environment Agency and Natural Resources Wales.

6 Hydrology



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6.1 Water Network (OS MasterMap)

Records within 250m	14

Detailed water network of Great Britain showing the flow and precise central course of every river, stream, lake and canal.

Features are displayed on the Hydrology map on **page 57 >**

ID	Location	Type of water feature	Ground level	Permanence	Name
1	56m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
C	66m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
C	68m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	73m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	75m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	80m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
C	84m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	94m SW	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	122m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	151m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
2	153m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
F	173m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	180m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	206m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m	9

Covering rivers, streams and lakes (some overlap with OS MasterMap Water Network data in previous section) but additionally covers smaller features such as ponds. Rivers and streams narrower than 5m are represented as a single line. Lakes, ponds and rivers or streams wider than 5m are represented as polygons.

Features are displayed on the Hydrology map on **page 57 >**

This data is sourced from the Ordnance Survey.

6.3 WFD Surface water body catchments

Records on site	1

The Water Framework Directive is an EU-led framework for the protection of inland surface waters, estuaries, coastal waters and groundwater through river basin-level management planning. In terms of surface water, these basins are broken down into smaller units known as management, operational and water body catchments.

Features are displayed on the Hydrology map on **page 57 >**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
A	**On site**	**River**	**Dearne from Cawthorne Dyke to Lundwood STW**	**GB104027063171**	**Dearne**	**Don and Rother**

This data is sourced from the Environment Agency and Natural Resources Wales.

6.4 WFD Surface water bodies

Records identified	1

Surface water bodies under the Directive may be rivers, lakes, estuary or coastal. To achieve the purpose of the Directive, environmental objectives have been set and are reported on for each water body. The progress towards delivery of the objectives is then reported on by the relevant competent authorities at the end of each six-year cycle. The river water body directly associated with the catchment listed in the previous section is detailed below, along with any lake, canal, coastal or artificial water body within 250m of the site. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each water body listed.

Features are displayed on the Hydrology map on **page 57 >**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	570m S	River	Dearne from Cawthorne Dyke to Lundwood STW	GB104027063171 ↗	Moderate	Fail	Moderate	2019

This data is sourced from the Environment Agency and Natural Resources Wales.

6.5 WFD Groundwater bodies

Records on site	1

Groundwater bodies are also covered by the Directive and the same regime of objectives and reporting detailed in the previous section is in place. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each groundwater body listed.

Features are displayed on the Hydrology map on **page 57 >**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
A	**On site**	**Don & Rother Millstone grit & Coal Measures**	**GB40402G992300 ↗**	**Poor**	**Poor**	**Good**	**2019**

This data is sourced from the Environment Agency and Natural Resources Wales.

7 River and coastal flooding

7.1 Risk of flooding from rivers and the sea

Records within 50m	0

The chance of flooding from rivers and/or the sea in any given year, based on cells of 50m within the Risk of Flooding from Rivers and Sea (RoFRaS)/Flood Risk Assessment Wales (FRAW) models. Each cell is allocated one of four flood risk categories, taking into account flood defences and their condition. The risk categories for RoFRaS for rivers and the sea and FRAW for rivers are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 100 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 100 chance) or High (greater than or equal to 1 in 30 chance). The risk categories for FRAW for the sea are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 200 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 200 chance) or High (greater than or equal to 1 in 30 chance).

This data is sourced from the Environment Agency and Natural Resources Wales.

7.2 Historical Flood Events

Records within 250m	0

Records of historic flooding from rivers, the sea, groundwater and surface water. Records began in 1946 when predecessor bodies started collecting detailed information about flooding incidents, although limited details may be included on flooding incidents prior to this date. Takes into account the presence of defences, structures, and other infrastructure where they existed at the time of flooding, and includes flood extents that may have been affected by overtopping, breaches or blockages.

This data is sourced from the Environment Agency and Natural Resources Wales.

7.3 Flood Defences

Records within 250m	0

Records of flood defences owned, managed or inspected by the Environment Agency and Natural Resources Wales. Flood defences can be structures, buildings or parts of buildings. Typically these are earth banks, stone and concrete walls, or sheet-piling that is used to prevent or control the extent of flooding.

This data is sourced from the Environment Agency and Natural Resources Wales.

7.4 Areas Benefiting from Flood Defences

Records within 250m	0

Areas that would benefit from the presence of flood defences in a 1 in 100 (1%) chance of flooding each year from rivers or 1 in 200 (0.5%) chance of flooding each year from the sea.

This data is sourced from the Environment Agency and Natural Resources Wales.

7.5 Flood Storage Areas

Records within 250m	0

Areas that act as a balancing reservoir, storage basin or balancing pond to attenuate an incoming flood peak to a flow level that can be accepted by the downstream channel or to delay the timing of a flood peak so that its volume is discharged over a longer period.

This data is sourced from the Environment Agency and Natural Resources Wales.

River and coastal flooding - Flood Zones

Site Outline

Search buffers in metres (m)

Flood zone 2

Flood zone 3

7.6 Flood Zone 2

Records within 50m	1

Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land between Flood Zone 3 (see next section) and the extent of the flooding from rivers or the sea with a 1 in 1000 (0.1%) chance of flooding each year.

Features are displayed on the River and coastal flooding map on **page 61 >**

Location	Type
On site	**Zone 2 - (Fluvial /Tidal Models)**

This data is sourced from the Environment Agency and Natural Resources Wales.

7.7 Flood Zone 3

Records within 50m	0

Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land with a 1 in 100 (1%) or greater chance of flooding each year from rivers or a 1 in 200 (0.5%) or greater chance of flooding each year from the sea.

This data is sourced from the Environment Agency and Natural Resources Wales.

8 Surface water flooding

Site Outline
Search buffers in metres (m)

1 in 1000 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 250 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 100 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 30 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

8.1 Surface water flooding

Highest risk on site	**1 in 30 year, 0.3m - 1.0m**
Highest risk within 50m	**1 in 30 year, 0.3m - 1.0m**

Ambiental Risk Analytics surface water (pluvial) FloodMap identifies areas likely to flood as a result of extreme rainfall events, i.e. land naturally vulnerable to surface water ponding or flooding. This data set was produced by simulating 1 in 30 year, 1 in 100 year, 1 in 250 year and 1 in 1,000 year rainfall events. Modern urban drainage systems are typically built to cope with rainfall events between 1 in 20 and 1 in 30 years, though some older ones may flood in a 1 in 5 year rainfall event.

Features are displayed on the Surface water flooding map on **page 65 >**

The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site.

The table below shows the maximum flood depths for a range of return periods for the site.

Return period	Maximum modelled depth
1 in 1000 year	Between 0.3m and 1.0m
1 in 250 year	Between 0.3m and 1.0m
1 in 100 year	Between 0.3m and 1.0m
1 in 30 year	Between 0.3m and 1.0m

This data is sourced from Ambiental Risk Analytics.

9 Groundwater flooding

Site Outline

Search buffers in metres (m)

High

Moderate - High

Moderate

Low

Negligible

9.1 Groundwater flooding

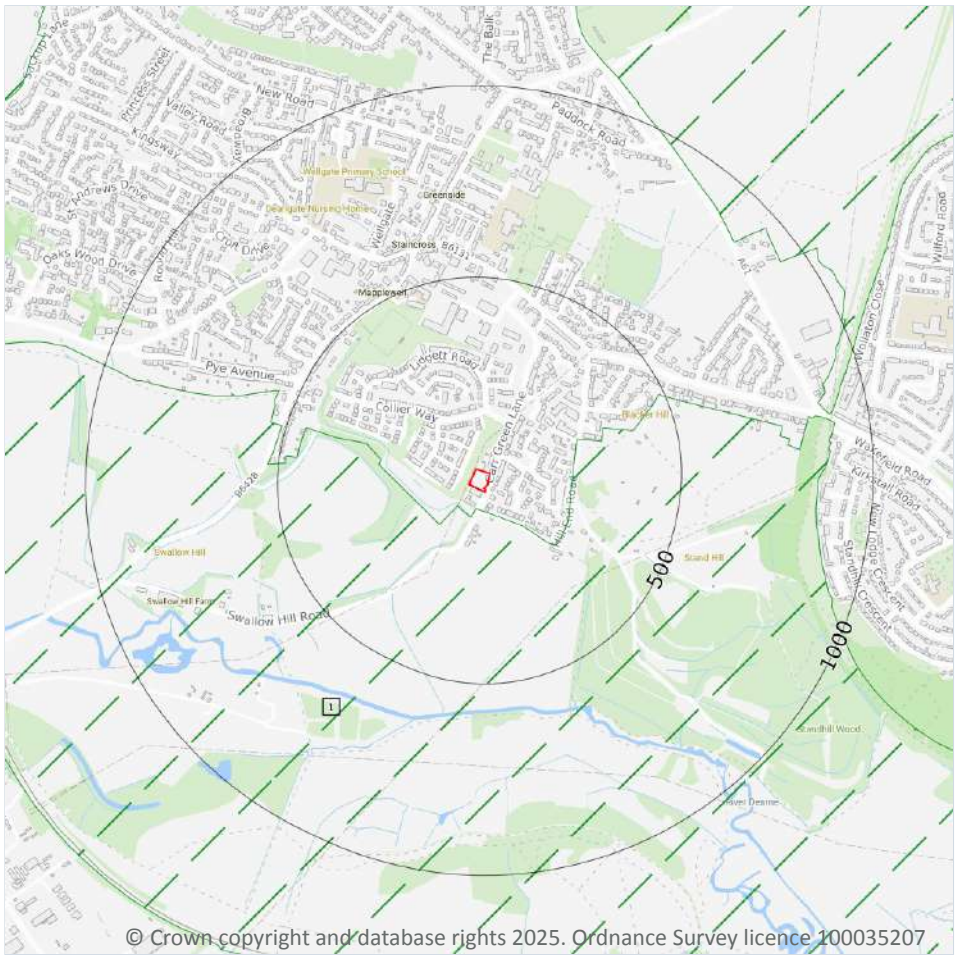
Highest risk on site	**Negligible**
Highest risk within 50m	**Negligible**

Groundwater flooding is caused by unusually high groundwater levels. It occurs when the water table rises above the ground surface or within underground structures such as basements or cellars. Groundwater flooding tends to exhibit a longer duration than surface water flooding, possibly lasting for weeks or months, and as a result it can cause significant damage to property. This risk assessment is based on a 1 in 100 year return period and a 5m Digital Terrain Model (DTM).

Features are displayed on the Groundwater flooding map on **page 67 >**

This data is sourced from Ambiental Risk Analytics.

10 Environmental designations



Site Outline

Search buffers in metres (m)

Local Nature Reserves (LNR)

Designated Ancient Woodland

Green Belt

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m	0

Sites providing statutory protection for the best examples of UK flora, fauna, or geological or physiographical features. Originally notified under the National Parks and Access to the Countryside Act 1949, SSSIs were re-notified under the Wildlife and Countryside Act 1981. Improved provisions for the protection and management of SSSIs were introduced by the Countryside and Rights of Way Act 2000 (in England and Wales) and (in Scotland) by the Nature Conservation (Scotland) Act 2004 and the Wildlife and Natural Environment (Scotland) Act 2010.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m	0

Ramsar sites are designated under the Convention on Wetlands of International Importance, agreed in Ramsar, Iran, in 1971. They cover all aspects of wetland conservation and wise use, recognizing wetlands as ecosystems that are extremely important for biodiversity conservation in general and for the well-being of human communities. These sites cover a broad definition of wetland; marsh, fen, peatland or water, whether natural or artificial, permanent or temporary, with water that is static or flowing, fresh, brackish or salt, and even some marine areas.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.3 Special Areas of Conservation (SAC)

Records within 2000m	0

Areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.4 Special Protection Areas (SPA)

Records within 2000m	0

Sites classified by the UK Government under the EC Birds Directive, SPAs are areas of the most important habitat for rare (listed on Annex I to the Directive) and migratory birds within the European Union.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.5 National Nature Reserves (NNR)

Records within 2000m	0

Sites containing examples of some of the most important natural and semi-natural terrestrial and coastal ecosystems in Great Britain. They are managed to conserve their habitats, provide special opportunities for scientific study or to provide public recreation compatible with natural heritage interests.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.6 Local Nature Reserves (LNR)

Records within 2000m	1

Sites managed for nature conservation, and to provide opportunities for research and education, or simply enjoying and having contact with nature. They are declared by local authorities under the National Parks and Access to the Countryside Act 1949 after consultation with the relevant statutory nature conservation agency.

Features are displayed on the Environmental designations map on **page 68 >**

ID	Location	Name	Data source
-	1837m N	Notton Wood	Natural England

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.7 Designated Ancient Woodland

Records within 2000m	2

Ancient woodlands are classified as areas which have been wooded continuously since at least 1600 AD. This includes semi-natural woodland and plantations on ancient woodland sites. 'Wooded continuously' does not mean there is or has previously been continuous tree cover across the whole site, and not all trees within the woodland have to be old.

Features are displayed on the Environmental designations map on **page 68 >**

ID	Location	Name	Woodland Type
-	1836m N	Notton Park	Ancient Replanted Woodland
-	1912m NE	Notton Park	Ancient & Semi-Natural Woodland

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.8 Biosphere Reserves

Records within 2000m	0

Biosphere Reserves are internationally recognised by UNESCO as sites of excellence to balance conservation and socioeconomic development between nature and people. They are recognised under the Man and the Biosphere (MAB) Programme with the aim of promoting sustainable development founded on the work of the local community.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.9 Forest Parks

Records within 2000m	0

These are areas managed by the Forestry Commission designated on the basis of recreational, conservation or scenic interest.

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m	0

A type of marine nature reserve in UK waters established under the Marine and Coastal Access Act (2009). They are designated with the aim to protect nationally important, rare or threatened habitats and species.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.11 Green Belt

Records within 2000m	3

Areas designated to prevent urban sprawl by keeping land permanently open.

Features are displayed on the Environmental designations map on **page 68 >**

ID	Location	Name	Local Authority name
1	49m S	South and West Yorkshire Green Belt	Barnsley
2	1550m NW	South and West Yorkshire Green Belt	Barnsley
-	1837m N	South and West Yorkshire Green Belt	Wakefield

This data is sourced from the Ministry of Housing, Communities and Local Government.

10.12 Proposed Ramsar sites

Records within 2000m	0

Ramsar sites are areas listed as a Wetland of International Importance under the Convention on Wetlands of International Importance especially as Waterfowl Habitat (the Ramsar Convention) 1971. The sites here supplied have a status of 'Proposed' having been identified for potential adoption under the framework.

This data is sourced from Natural England.

10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m	0

Special Areas of Conservation are areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive. Those sites supplied here are those with a status of 'Possible' having been identified for potential adoption under the framework.

This data is sourced from Natural England and Natural Resources Wales.

10.14 Potential Special Protection Areas (pSPA)

Records within 2000m	0

Special Protection Areas (SPAs) are areas designated (or 'classified') under the European Union Wild Birds Directive for the protection of nationally and internationally important populations of wild birds. Those sites supplied here are those with a status of 'Potential' having been identified for potential adoption under the framework.

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m	0

Areas where nitrate concentrations in drinking water sources exceeded or was at risk of exceeding the limit of 50 mg/l set by the 1980 EC Drinking Water Directive. Voluntary agricultural measures as a means of reducing the levels of nitrate were introduced by DEFRA as MAFF, with payments being made to farmers who complied. The scheme was started as a pilot in 1990 in ten areas, later implemented within 32 areas. The scheme was closed to further new entrants in 1998, although existing agreements continued for their full term. All Nitrate Sensitive Areas fell within the areas designated as Nitrate Vulnerable Zones (NVZs) in 1996 under the EC Nitrate Directive (91/676/EEC).

This data is sourced from Natural England.

10.16 Nitrate Vulnerable Zones

Records within 2000m	4

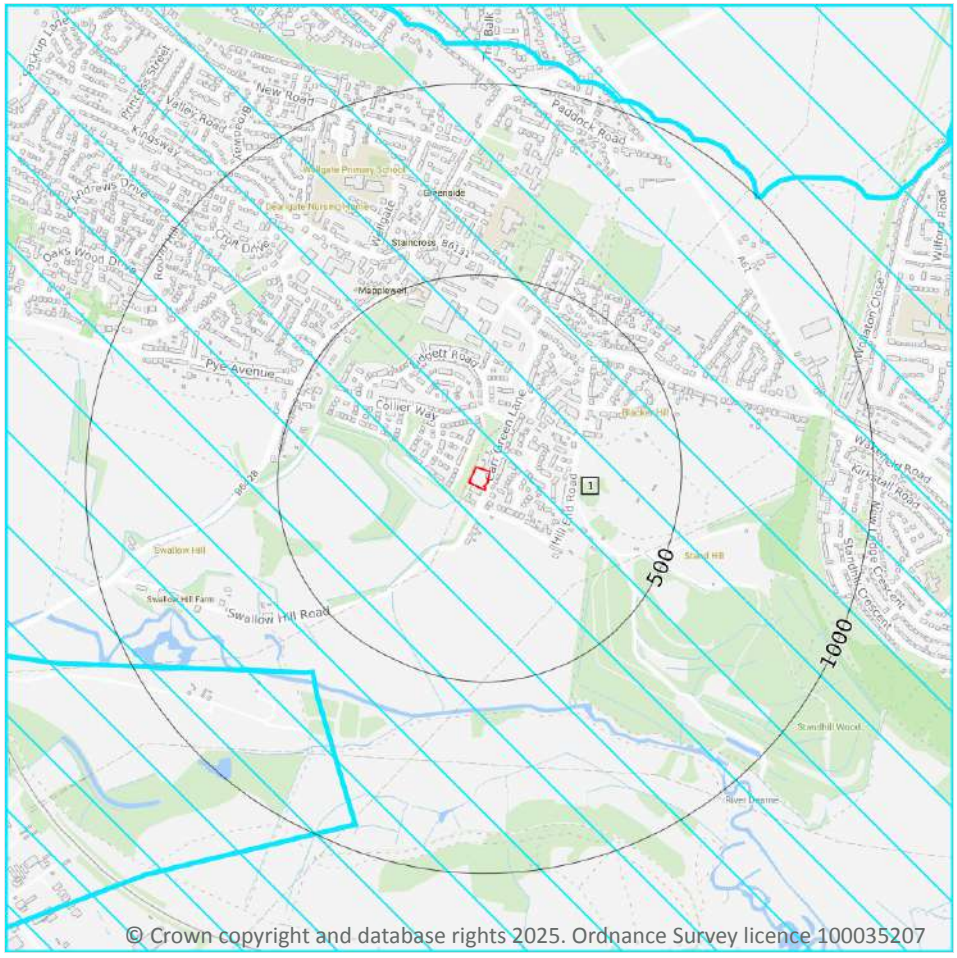
Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

Location	Name	Type	NVZ ID	Status
On site	**River Dearne NVZ**	**Surface Water**	**278**	**Existing**

Location	Name	Type	NVZ ID	Status
877m NE	Owler Beck from Source to River Calder NVZ	Surface Water	268	Existing
888m E	River Dearne NVZ	Surface Water	278	Existing
1035m NE	Owler Beck from Source to River Calder NVZ	Surface Water	268	Existing

This data is sourced from Natural England and Natural Resources Wales.

SSSI Impact Zones and Units



Site Outline

Search buffers in metres (m)

SSSI Impact Risk Zones

SSSI Units

- Not recorded
- Favourable
- Unfavourable - Recovering
- Unfavourable - No change
- Unfavourable - Declining
- Partially destroyed
- Destroyed

10.17 SSSI Impact Risk Zones

Records on site	1

Developed to allow rapid initial assessment of the potential risks to SSSIs posed by development proposals. They define zones around each SSSI which reflect the particular sensitivities of the features for which it is notified and indicate the types of development proposal which could potentially have adverse impacts.

Features are displayed on the SSSI Impact Zones and Units map on **page 74 >**

ID	Location	Type of developments requiring consultation
1	**On site**	**https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0300000530050&notes=&location=428667,408431%20(IRZ%20polygon%20centre)**

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m	0

Divisions of SSSIs used to record management and condition details. Units are the smallest areas for which Natural England gives a condition assessment, however, the size of units varies greatly depending on the types of management and the conservation interest.

This data is sourced from Natural England and Natural Resources Wales.

11 Visual and cultural designations

11.1 World Heritage Sites

Records within 250m	0

Sites designated for their globally important cultural or natural interest requiring appropriate management and protection measures. World Heritage Sites are designated to meet the UK's commitments under the World Heritage Convention.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

11.2 Area of Outstanding Natural Beauty

Records within 250m	0

Areas of Outstanding Natural Beauty (AONB) are conservation areas, chosen because they represent 18% of the finest countryside. Each AONB has been designated for special attention because of the quality of their flora, fauna, historical and cultural associations, and/or scenic views. The National Parks and Access to the Countryside Act of 1949 created AONBs and the Countryside and Rights of Way Act, 2000 added further regulation and protection. There are likely to be restrictions to some developments within these areas.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

11.3 National Parks

Records within 250m	0

In England and Wales, the purpose of National Parks is to conserve and enhance landscapes within the countryside whilst promoting public enjoyment of them and having regard for the social and economic well-being of those living within them. In Scotland National Parks have the additional purpose of promoting the sustainable use of the natural resources of the area and the sustainable social and economic development of its communities. The National Parks and Access to the Countryside Act 1949 established the National Park designation in England and Wales, and The National Parks (Scotland) Act 2000 in Scotland.

This data is sourced from Natural England, Natural Resources Wales and the Scottish Government.

11.4 Listed Buildings

Records within 250m	0

Buildings listed for their special architectural or historical interest. Building control in the form of 'listed building consent' is required in order to make any changes to that building which might affect its special interest. Listed buildings are graded to indicate their relative importance, however building controls apply to all buildings equally, irrespective of their grade, and apply to the interior and exterior of the building in its entirety, together with any curtilage structures.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

11.5 Conservation Areas

Records within 250m	0

Local planning authorities are obliged to designate as conservation areas any parts of their own area that are of special architectural or historic interest, the character and appearance of which it is desirable to preserve or enhance. Designation of a conservation area gives broader protection than the listing of individual buildings. All the features within the area, listed or otherwise, are recognised as part of its character. Conservation area designation is the means of recognising the importance of all factors and of ensuring that planning decisions address the quality of the landscape in its broadest sense.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

11.6 Scheduled Ancient Monuments

Records within 250m	0

A scheduled monument is an historic building or site that is included in the Schedule of Monuments kept by the Secretary of State for Digital, Culture, Media and Sport. The regime is set out in the Ancient Monuments and Archaeological Areas Act 1979. The Schedule of Monuments has c.20,000 entries and includes sites such as Roman remains, burial mounds, castles, bridges, earthworks, the remains of deserted villages and industrial sites. Monuments are not graded, but all are, by definition, considered to be of national importance.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

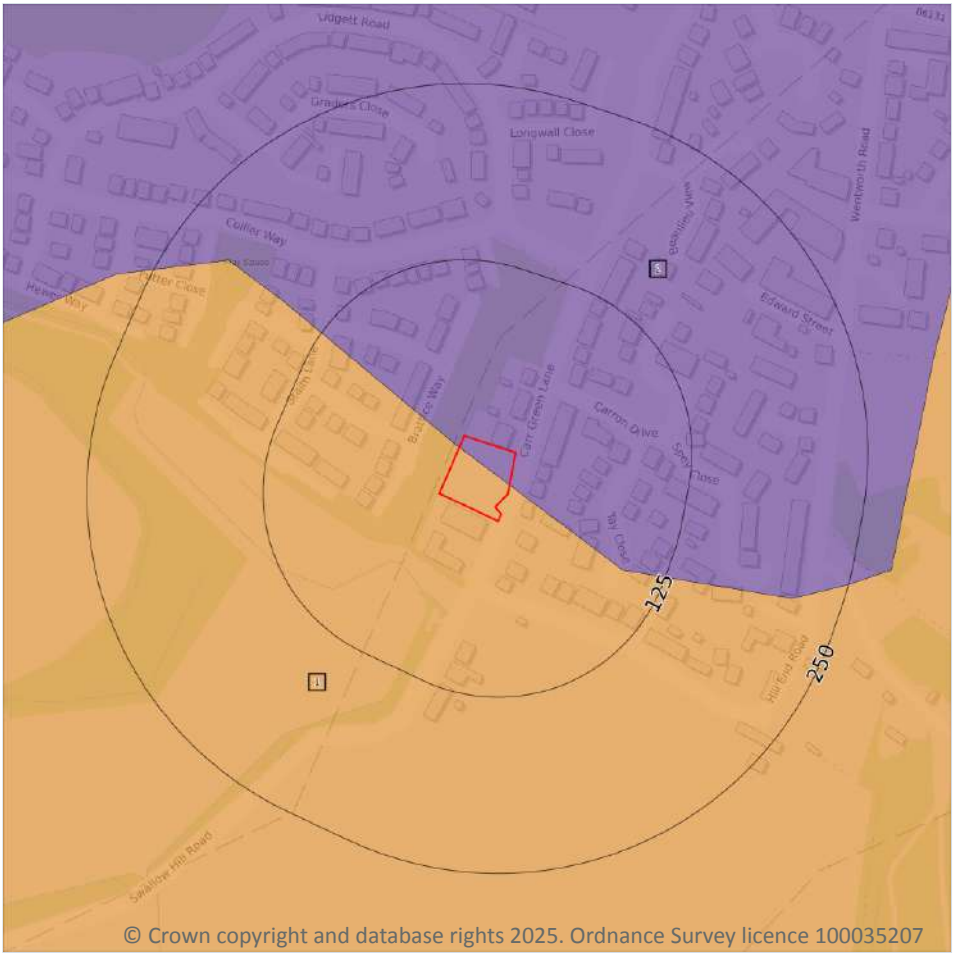
11.7 Registered Parks and Gardens

Records within 250m	0

Parks and gardens assessed to be of particular interest and of special historic interest. The emphasis being on 'designed' landscapes, rather than on planting or botanical importance. Registration is a 'material consideration' in the planning process, meaning that planning authorities must consider the impact of any proposed development on the special character of the landscape.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

12 Agricultural designations



Site Outline

Search buffers in metres (m)

- Grade 1 - excellent quality
- Grade 2 - very good quality
- Grade 3 - good to moderate quality
- Grade 3a - good quality
- Grade 3b - moderate quality
- Grade 4 - poor quality
- Grade 5 - very poor quality
- Non-agricultural land
- Urban land
- Exclusion land
- Tree felling licences
- Open Access land

12.1 Agricultural Land Classification

Records within 250m	2

Classification of the quality of agricultural land taking into consideration multiple factors including climate, physical geography and soil properties. It should be noted that the categories for the grading of agricultural land are not consistent across England, Wales and Scotland.

Features are displayed on the Agricultural designations map on **page 78 >**

ID	Location	Classification	Description
1	On site	Grade 3	Good to moderate quality agricultural land. Land with moderate limitations which affect the choice of crops, timing and type of cultivation, harvesting or the level of yield. Where more demanding crops are grown yields are generally lower or more variable than on land in Grades 1 and 2.
2	On site	Urban	Non-agricultural/no quality assigned

This data is sourced from Natural England.

12.2 Open Access Land

Records within 250m	0

The Countryside and Rights of Way Act 2000 (CROW Act) gives a public right of access to land without having to use paths. Access land includes mountains, moors, heaths and downs that are privately owned. It also includes common land registered with the local council and some land around the England Coast Path. Generally permitted activities on access land are walking, running, watching wildlife and climbing.

This data is sourced from Natural England and Natural Resources Wales.

12.3 Tree Felling Licences

Records within 250m	0

Felling Licence Application (FLA) areas approved by Forestry Commission England. Anyone wishing to fell trees must ensure that a licence or permission under a grant scheme has been issued by the Forestry Commission before any felling is carried out or that one of the exceptions apply.

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m	0

Environmental Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. The schemes identified may be historical schemes that have now expired, or may still be active.

This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

Records within 250m	0

Countryside Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. Main objectives are to improve the farmed environment for wildlife and to reduce diffuse water pollution.

This data is sourced from Natural England.

13 Habitat designations

13.1 Priority Habitat Inventory

Records within 250m	2

Habitats of principal importance as named under Natural Environment and Rural Communities Act (2006) Section 41.

Features are displayed on the Habitat designations map on **page 80 >**

ID	Location	Main Habitat	Other habitats
2	143m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
3	173m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m	0

Habitat networks for 18 priority habitat networks (based primarily, but not exclusively, on the priority habitat inventory) and areas suitable for the expansion of networks through restoration and habitat creation.

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m	2

Sites verified as Open Mosaic Habitat. Mosaic habitats are brownfield sites that are identified under the UK Biodiversity Action Plan as a priority habitat due to the habitat variation within a single site, supporting an array of invertebrates.

Features are displayed on the Habitat designations map on **page 80 >**

ID	Location	Site reference	Identification confidence	Primary source	Secondary source	Tertiary source
1	**On site**	**BRITPITS ref: 16764**	**Low**	**British Geological Survey BRITPITS database**	**UK Perspectives Aerial Photography**	**-**
4	222m E	BRITPITS ref: 26005	Low	British Geological Survey BRITPITS database	UK Perspectives Aerial Photography	-

This data is sourced from Natural England.

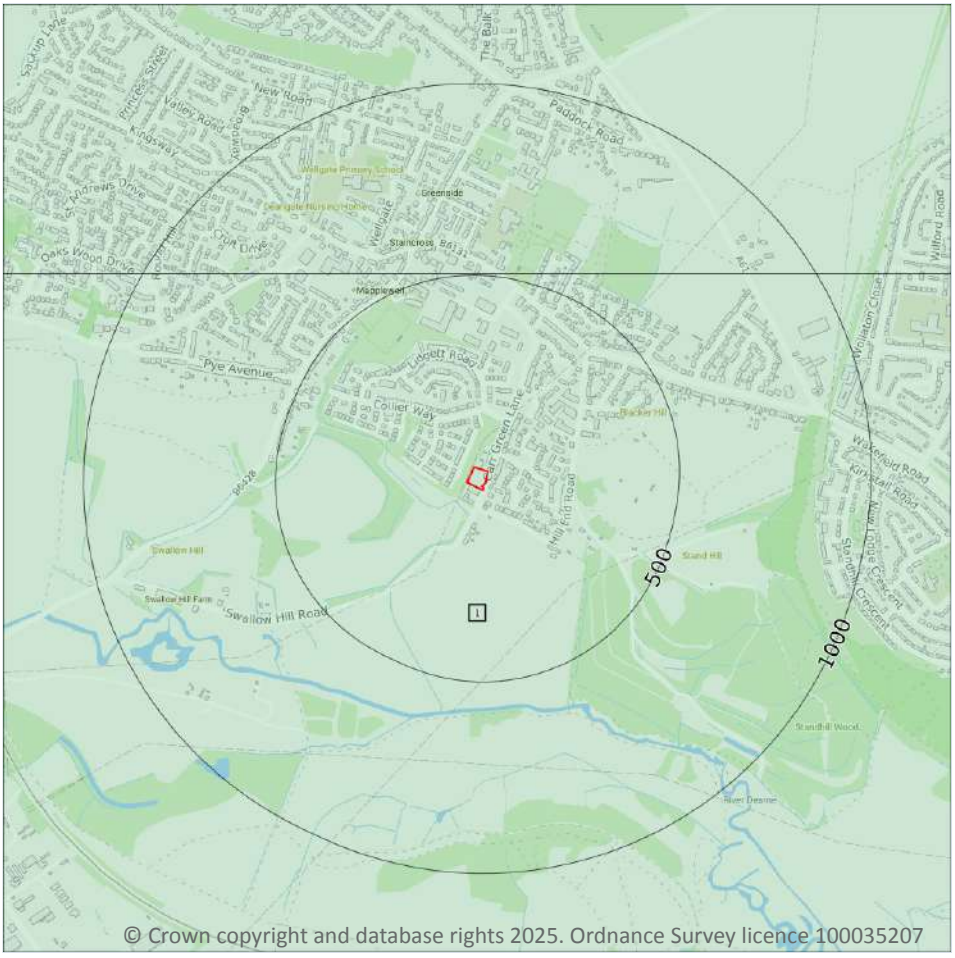
13.4 Limestone Pavement Orders

Records within 250m	0

Limestone pavements are outcrops of limestone where the surface has been worn away by natural means over millennia. These rocks have the appearance of paving blocks, hence their name. Not only do they have geological interest, they also provide valuable habitats for wildlife. These habitats are threatened due to their removal for use in gardens and water features. Many limestone pavements have been designated as SSSIs which affords them some protection. In addition, Section 34 of the Wildlife and Countryside Act 1981 gave them additional protection via the creation of Limestone Pavement Orders, which made it a criminal offence to remove any part of the outcrop. The associated Limestone Pavement Priority Habitat is part of the UK Biodiversity Action Plan priority habitat in England.

This data is sourced from Natural England.

14 Geology 1:10,000 scale - Availability



Site Outline

Search buffers in metres (m)

Full coverage

Partial coverage

No coverage

14.1 10k Availability

Records within 500m	1

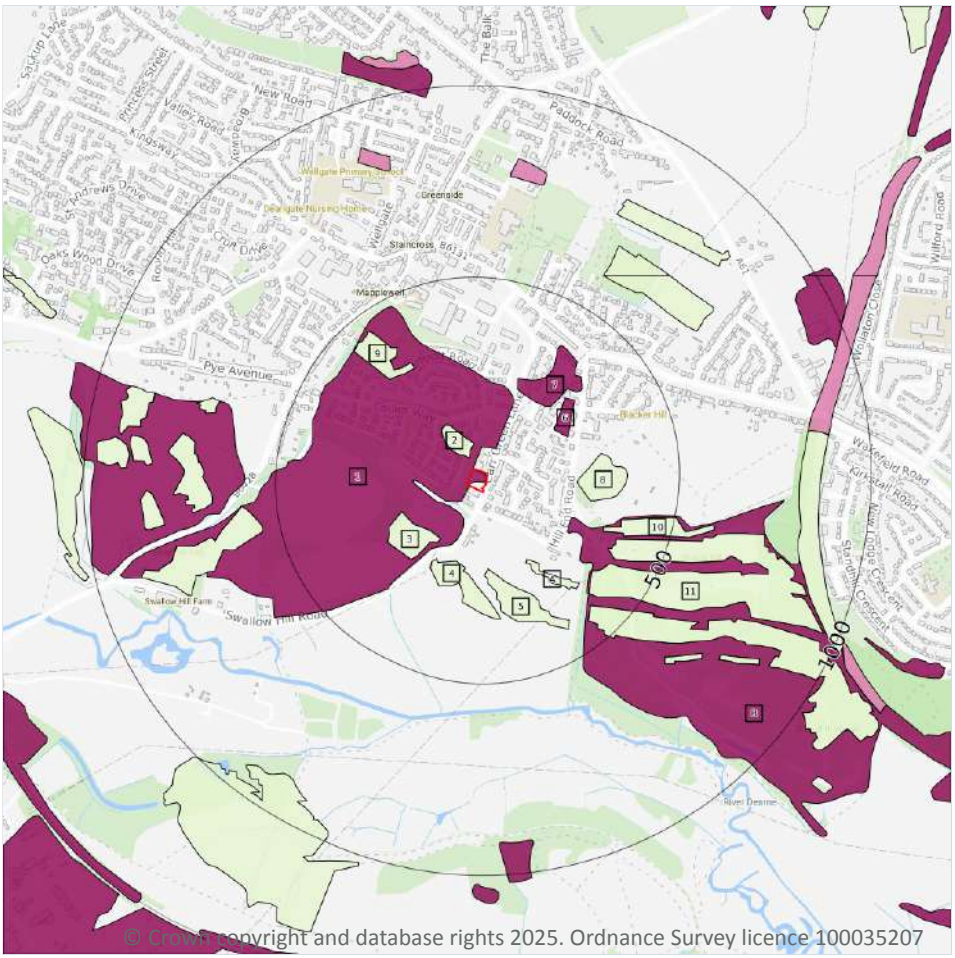
An indication on the coverage of 1:10,000 scale geology data for the site, the most detailed dataset provided by the British Geological Survey. Either 'Full', 'Partial' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:10,000 scale - Availability map on **page 82 >**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**Full**	**Full**	**Full**	**Full**	**SE30NW**

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Artificial and made ground



Site Outline

Search buffers in metres (m)

- Reclaimed ground
- Made ground
- Worked ground
- Infilled ground
- Disturbed ground
- Landscaped ground

14.2 Artificial and made ground (10k)

Records within 500m	15

Details of made, worked, infilled, disturbed and landscaped ground at 1:10,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

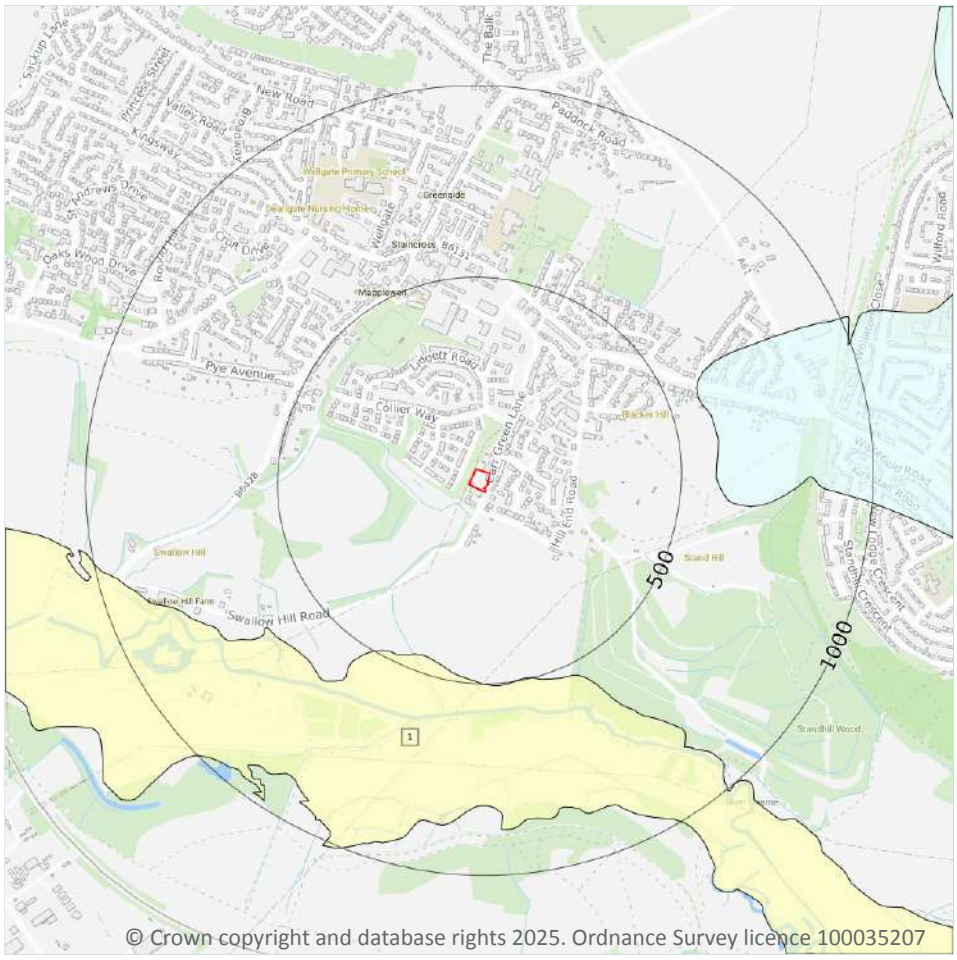
Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on **page 83 >**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**MGR-ARTDP**	**Made Ground (Undivided)**	**Artificial Deposit**
2	31m NW	WMGR-ARTDP	Infilled Ground	Artificial Deposit
3	154m SW	WMGR-ARTDP	Infilled Ground	Artificial Deposit
4	193m S	WMGR-ARTDP	Infilled Ground	Artificial Deposit

ID	Location	LEX Code	Description	Rock description
5	200m S	WMGR-ARTDP	Infilled Ground	Artificial Deposit
6	208m NE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
A	209m SE	WMGR-ARTDP	Infilled Ground	Artificial Deposit
7	224m NE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
8	234m E	WMGR-ARTDP	Infilled Ground	Artificial Deposit
B	239m E	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
9	305m NW	WMGR-ARTDP	Infilled Ground	Artificial Deposit
10	326m E	WMGR-ARTDP	Infilled Ground	Artificial Deposit
A	345m SE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
11	350m SE	WMGR-ARTDP	Infilled Ground	Artificial Deposit
B	407m SE	WMGR-ARTDP	Infilled Ground	Artificial Deposit

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Superficial



Site Outline

Search buffers in metres (m)

Landslip (10k)

Superficial geology (10k)
Please see table for more details.

14.3 Superficial geology (10k)

Records within 500m	1

Superficial geological deposits at 1:10,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

Features are displayed on the Geology 1:10,000 scale - Superficial map on **page 85 >**

ID	Location	LEX Code	Description	Rock description
1	456m S	ALV-XCZ	Alluvium - Clay And Silt	Clay And Silt

This data is sourced from the British Geological Survey.

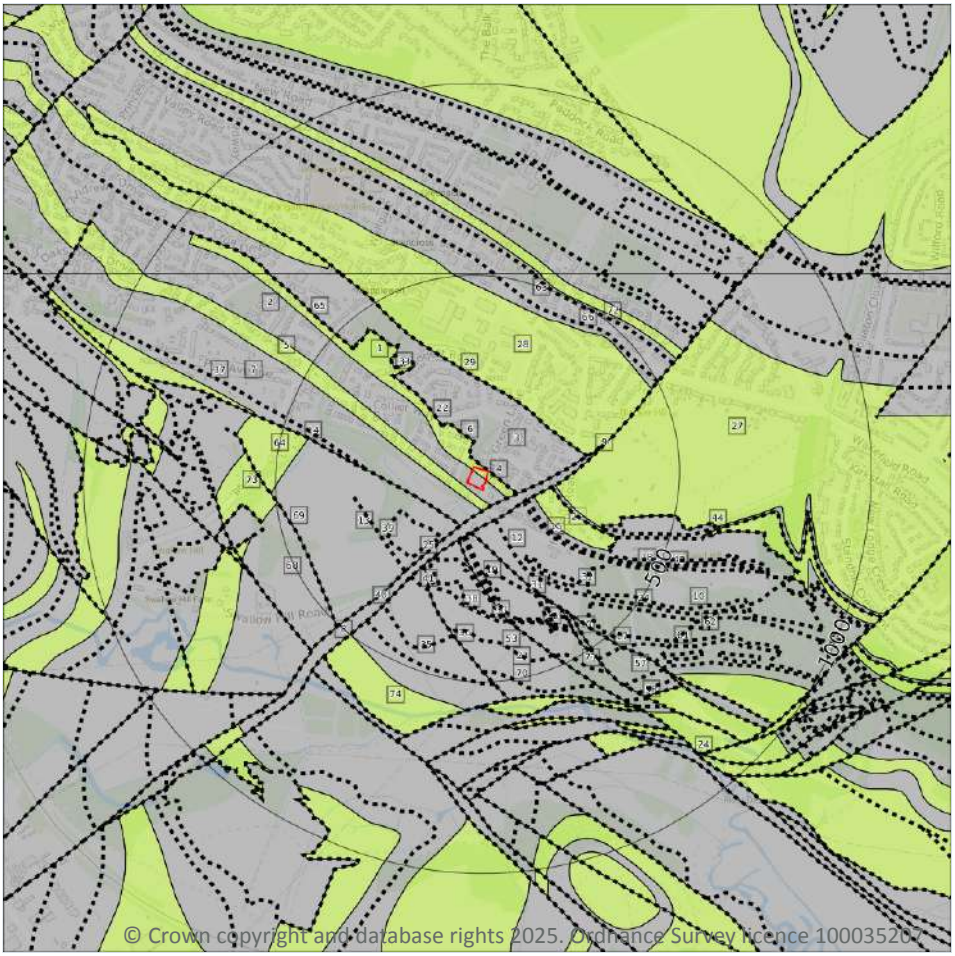
14.4 Landslip (10k)

Records within 500m	0

Mass movement deposits on BGS geological maps at 1:10,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Bedrock



Site Outline

Search buffers in metres (m)

Bedrock faults and other linear features (10k)

Bedrock geology (10k)
Please see table for more details.

14.5 Bedrock geology (10k)

Records within 500m	21

Bedrock geology at 1:10,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 87 >**

ID	Location	LEX Code	Description	Rock age
1	On site	PMCM-SDST	Pennine Middle Coal Measures Formation - Sandstone	Bolsovian Sub-age - Duckmantian Sub-age
2	On site	PMCM-MDSS	Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovian Sub-age - Duckmantian Sub-age

ID	Location	LEX Code	Description	Rock age
3	2m NE	PMCM-MDSS	Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovian Sub-age - Duckmantian Sub-age
5	12m SW	PMCM-SDST	Pennine Middle Coal Measures Formation - Sandstone	Bolsovian Sub-age - Duckmantian Sub-age
7	36m SW	PMCM-MDSS	Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovian Sub-age - Duckmantian Sub-age
8	46m SE	PMCM-MDSS	Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovian Sub-age - Duckmantian Sub-age
10	83m SE	PMCM-MDSS	Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovian Sub-age - Duckmantian Sub-age
13	102m SW	PMCM-MDSS	Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovian Sub-age - Duckmantian Sub-age
16	116m S	PMCM-MDSS	Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovian Sub-age - Duckmantian Sub-age
20	131m E	PMCM-SDST	Pennine Middle Coal Measures Formation - Sandstone	Bolsovian Sub-age - Duckmantian Sub-age
23	145m SW	PMCM-MDSS	Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovian Sub-age - Duckmantian Sub-age
27	180m E	WE-SDST	Woolley Edge Rock - Sandstone	Duckmantian Sub-age
28	190m NE	KNR-SDST	Kent's Rock - Sandstone	Duckmantian Sub-age
35	244m SW	PMCM-MDSS	Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovian Sub-age - Duckmantian Sub-age
50	367m SE	PMCM-MDSS	Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovian Sub-age - Duckmantian Sub-age
57	396m SE	PMCM-MDSS	Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovian Sub-age - Duckmantian Sub-age
63	426m N	PMCM-MDSS	Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovian Sub-age - Duckmantian Sub-age
64	429m W	PMCM-SDST	Pennine Middle Coal Measures Formation - Sandstone	Bolsovian Sub-age - Duckmantian Sub-age
68	457m SW	PMCM-MDSS	Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovian Sub-age - Duckmantian Sub-age
73	497m W	PMCM-SDST	Pennine Middle Coal Measures Formation - Sandstone	Bolsovian Sub-age - Duckmantian Sub-age
74	499m SW	KNR-SDST	Kent's Rock - Sandstone	Duckmantian Sub-age

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m	53

Linear features at the ground or bedrock surface at 1:10,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 87 >**

ID	Location	Category	Description
4	2m NE	ROCK	Coal seam, inferred
6	31m NW	ROCK	Coal seam, observed
9	46m SE	FAULT	Normal fault, inferred
11	83m SE	FAULT	Normal fault, inferred
12	84m S	ROCK	Coal seam, inferred
14	102m SW	FAULT	Normal fault, inferred
15	109m E	ROCK	Coal seam, inferred
17	116m S	FAULT	Normal fault, inferred
18	117m E	FOSSIL_HORIZON	Fossil horizon, marine band
19	127m S	FOSSIL_HORIZON	Fossil horizon, marine band
21	132m SW	ROCK	Coal seam, inferred
22	135m NW	ROCK	Coal seam, inferred
24	145m SW	FAULT	Normal fault, inferred
25	154m SW	ROCK	Coal seam, observed
26	172m E	ROCK	Coal seam, observed
29	190m NE	ROCK	Coal seam, inferred
30	193m S	ROCK	Coal seam, observed
31	200m S	ROCK	Coal seam, observed
32	209m SE	ROCK	Coal seam, observed
33	212m NW	ROCK	Coal seam, observed
34	225m SE	ROCK	Coal seam, observed
36	244m SW	FAULT	Normal fault, inferred
37	257m W	ROCK	Coal seam, inferred

ID	Location	Category	Description
38	264m SW	ROCK	Coal seam, observed
39	265m SW	FAULT	Normal fault, inferred
40	282m SW	FAULT	Normal fault, inferred
41	287m SW	ROCK	Coal seam, observed
42	302m SE	ROCK	Coal seam, observed
43	304m SE	FAULT	Normal fault, inferred
44	326m E	ROCK	Coal seam, observed
45	328m SE	FAULT	Normal fault, inferred
46	345m SE	ROCK	Coal seam, observed
47	348m S	FOSSIL_HORIZON	Fossil horizon, marine band
48	354m S	ROCK	Coal seam, observed
49	357m SE	ROCK	Coal seam, observed
51	367m SE	FAULT	Normal fault, inferred
52	368m E	ROCK	Coal seam, observed
53	370m S	ROCK	Coal seam, observed
54	386m SE	FOSSIL_HORIZON	Fossil horizon, marine band
55	386m S	ROCK	Coal seam, observed
56	392m SE	ROCK	Coal seam, observed
58	396m SE	FAULT	Normal fault, inferred
59	398m SE	FOSSIL_HORIZON	Fossil horizon, marine band
60	403m SE	ROCK	Coal seam, observed
61	407m SE	ROCK	Coal seam, observed
62	407m SE	ROCK	Coal seam, observed
65	438m NW	ROCK	Coal seam, inferred
66	446m N	ROCK	Coal seam, inferred
67	446m SW	ROCK	Coal seam, observed
69	457m SW	FAULT	Normal fault, inferred
70	473m S	ROCK	Coal seam, observed

ID	Location	Category	Description
71	474m SE	ROCK	Coal seam, inferred
72	495m NE	ROCK	Coal seam, inferred

This data is sourced from the British Geological Survey.

15 Geology 1:50,000 scale - Availability

Site Outline

Search buffers in metres (m)

Geological map tile

15.1 50k Availability

Records within 500m	1

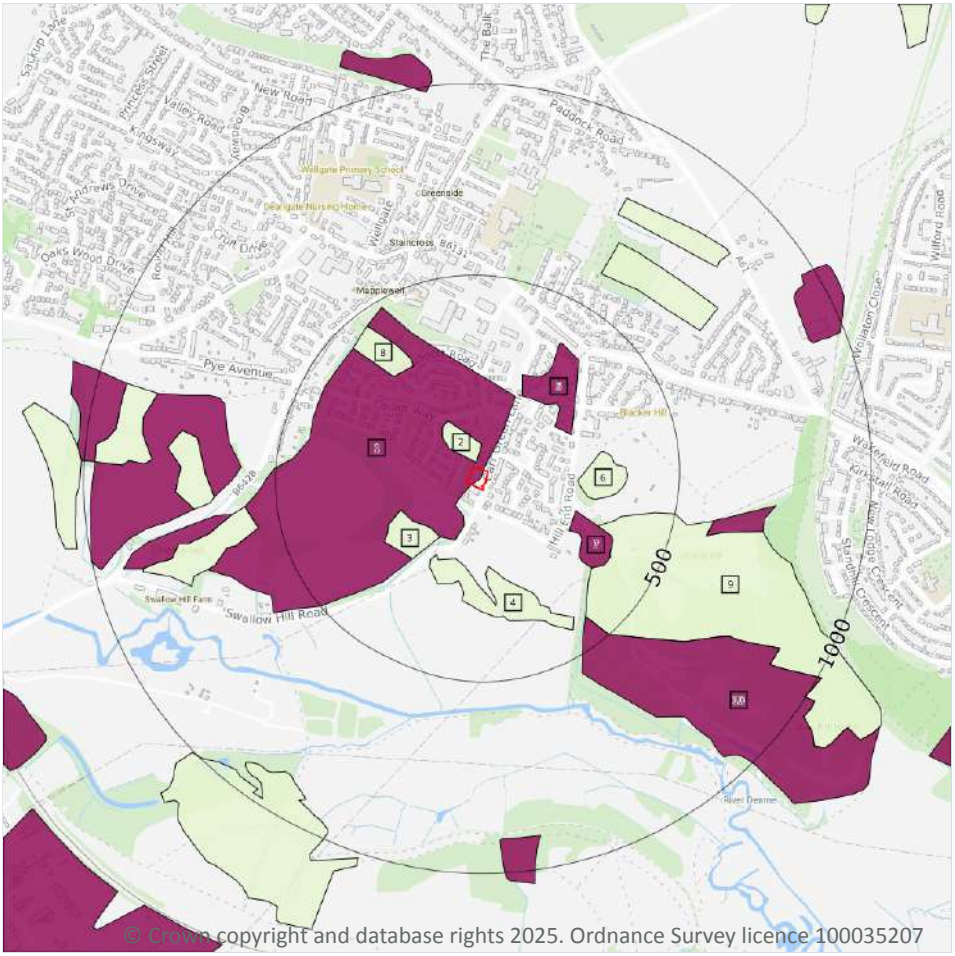
An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:50,000 scale - Availability map on **page 92 >**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**No coverage**	**Full**	**Full**	**Full**	**EW087_barnsley_v4**

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Artificial and made ground



Site Outline

Search buffers in metres (m)

- Made ground
- Worked ground
- Infilled ground
- Disturbed ground
- Landscaped ground

15.2 Artificial and made ground (50k)

Records within 500m	10

Details of made, worked, infilled, disturbed and landscaped ground at 1:50,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

Features are displayed on the Geology 1:50,000 scale - Artificial and made ground map on **page 93 >**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**MGR-ARTDP**	**MADE GROUND (UNDIVIDED)**	**ARTIFICIAL DEPOSIT**
2	12m N	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT
3	151m SW	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT
4	193m S	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT

ID	Location	LEX Code	Description	Rock description
5	211m NE	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
6	236m E	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT
7	246m E	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
8	307m NW	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT
9	314m E	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT
10	424m SE	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

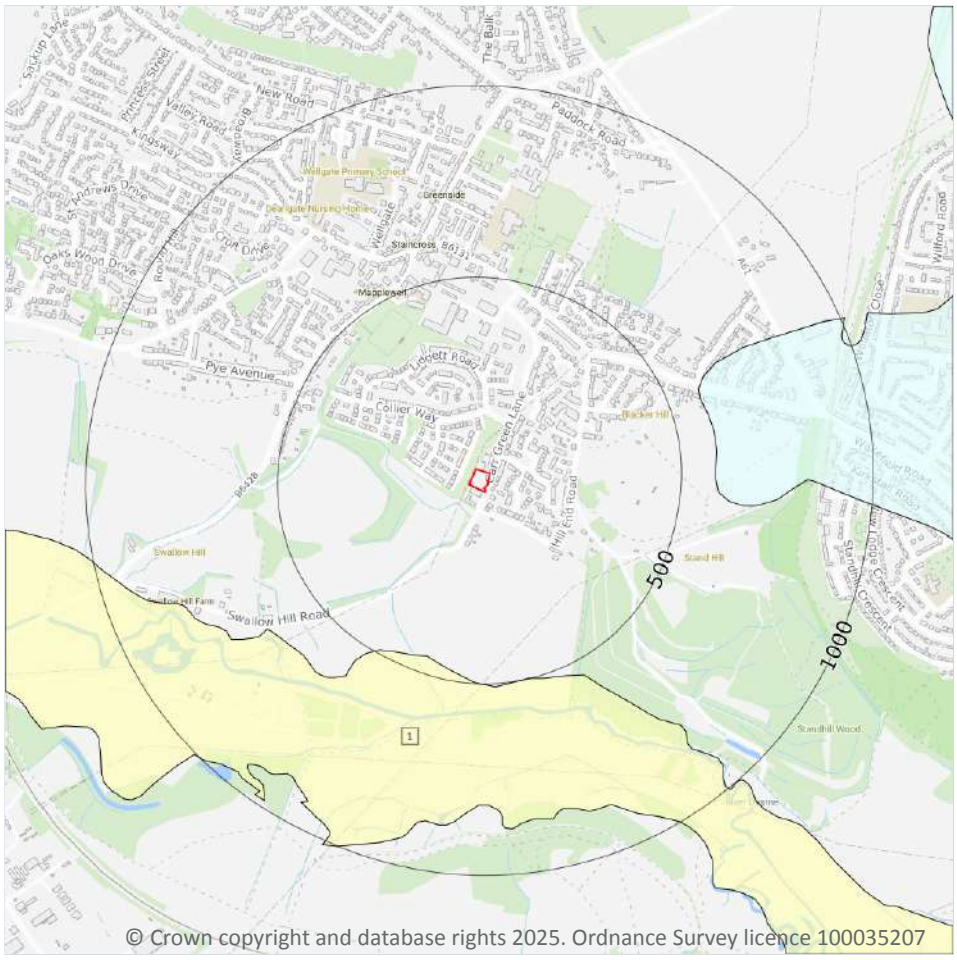
Records within 50m	**2**

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any artificial deposits (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
On site	**Mixed**	**Very High**	**Low**
12m N	Mixed	Very High	Low

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Superficial



Site Outline

Search buffers in metres (m)

Landslip (50k)

Superficial geology (50k)
Please see table for more details.

15.4 Superficial geology (50k)

Records within 500m	1

Superficial geological deposits at 1:50,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

Features are displayed on the Geology 1:50,000 scale - Superficial map on **page 95 >**

ID	Location	LEX Code	Description	Rock description
1	454m S	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL

This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m	0

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any superficial deposits (the zone between the land surface and the water table).

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m	0

Mass movement deposits on BGS geological maps at 1:50,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

This data is sourced from the British Geological Survey.

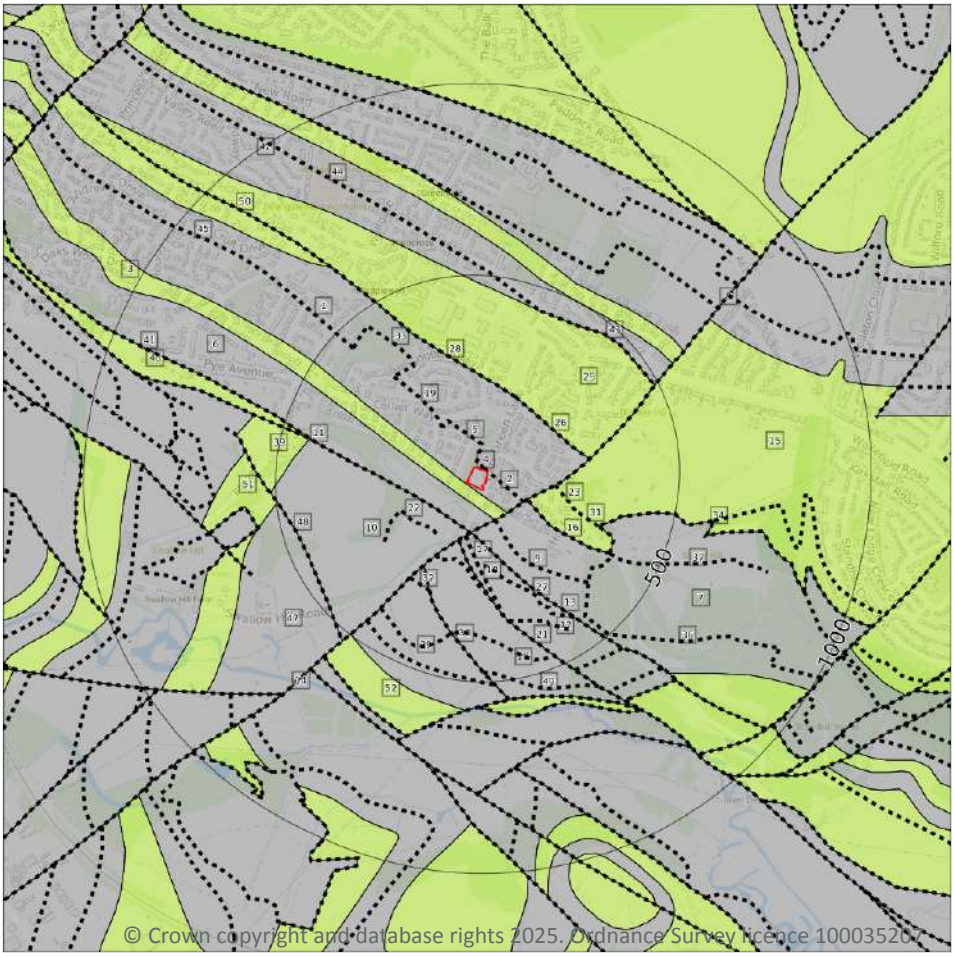
15.7 Landslip permeability (50k)

Records within 50m	0

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any landslip deposits (the zone between the land surface and the water table).

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Bedrock



Site Outline

Search buffers in metres (m)

Bedrock faults and other linear features (50k)

Bedrock geology (50k)
Please see table for more details.

15.8 Bedrock geology (50k)

Records within 500m	16

Bedrock geology at 1:50,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 97 >**

ID	Location	LEX Code	Description	Rock age
1	**On site**	**PMCM-MDSS**	**PENNINE MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE**	**WESTPHALIAN**
3	4m SW	PMCM-SDST	PENNINE MIDDLE COAL MEASURES FORMATION - SANDSTONE	WESTPHALIAN

ID	Location	LEX Code	Description	Rock age
6	37m SW	PMCM-MDSS	PENNINE MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
7	84m SE	PMCM-MDSS	PENNINE MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
10	102m SW	PMCM-MDSS	PENNINE MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
12	116m S	PMCM-MDSS	PENNINE MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
15	117m E	WE-SDST	WOOLLEY EDGE ROCK - SANDSTONE	WESTPHALIAN
20	145m SW	PMCM-MDSS	PENNINE MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
25	194m NE	KNR-SDST	KENT'S ROCK - SANDSTONE	WESTPHALIAN
29	244m SW	PMCM-MDSS	PENNINE MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
39	426m W	PMCM-SDST	PENNINE MIDDLE COAL MEASURES FORMATION - SANDSTONE	WESTPHALIAN
40	426m W	BNR-SDST	BARNSLEY ROCK - SANDSTONE	WESTPHALIAN
42	440m N	PMCM-MDSS	PENNINE MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
47	457m SW	PMCM-MDSS	PENNINE MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
51	497m W	PMCM-SDST	PENNINE MIDDLE COAL MEASURES FORMATION - SANDSTONE	WESTPHALIAN
52	499m SW	KNR-SDST	KENT'S ROCK - SANDSTONE	WESTPHALIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m	**2**

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of bedrock (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
On site	**Fracture**	**Moderate**	**Low**
4m SW	Fracture	High	Moderate

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m	36

Linear features at the ground or bedrock surface at 1:50,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 97 >**

ID	Location	Category	Description
2	**On site**	**ROCK**	**Coal seam, inferred**
4	5m N	ROCK	Coal seam, inferred
5	12m N	ROCK	Coal seam, inferred
8	84m SE	FAULT	Fault, inferred
9	84m S	ROCK	Coal seam, inferred
11	102m SW	FAULT	Fault, inferred, displacement unknown
13	116m S	FAULT	Fault, inferred
14	116m S	FAULT	Fault, inferred
16	117m E	ROCK	Coal seam, inferred
17	128m S	ROCK	Coal seam, inferred
18	128m S	FOSSIL_HORIZON	Marine band
19	132m NW	ROCK	Coal seam, inferred
21	145m SW	FAULT	Fault, inferred
22	151m SW	ROCK	Coal seam, inferred
23	180m E	ROCK	Coal seam, inferred
24	193m S	ROCK	Coal seam, inferred
26	194m NE	ROCK	Coal seam, inferred
27	199m S	ROCK	Coal seam, inferred
28	208m N	ROCK	Coal seam, inferred
30	244m SW	FAULT	Fault, inferred
31	246m E	ROCK	Coal seam, inferred

ID	Location	Category	Description
32	290m SW	ROCK	Coal seam, inferred
33	307m NW	ROCK	Coal seam, inferred
34	314m E	ROCK	Coal seam, inferred
35	347m S	FOSSIL_HORIZON	Marine band
36	348m SE	ROCK	Coal seam, inferred
37	370m SE	FOSSIL_HORIZON	Marine band
38	374m S	ROCK	Coal seam, inferred
41	426m W	ROCK	Coal seam, inferred
43	440m N	ROCK	Coal seam, inferred
44	440m N	ROCK	Coal seam, inferred
45	442m NW	ROCK	Coal seam, inferred
46	445m SW	ROCK	Coal seam, inferred
48	457m SW	FAULT	Fault, inferred
49	475m S	ROCK	Coal seam, inferred
50	481m NW	ROCK	Coal seam, inferred

This data is sourced from the British Geological Survey.

16 Boreholes

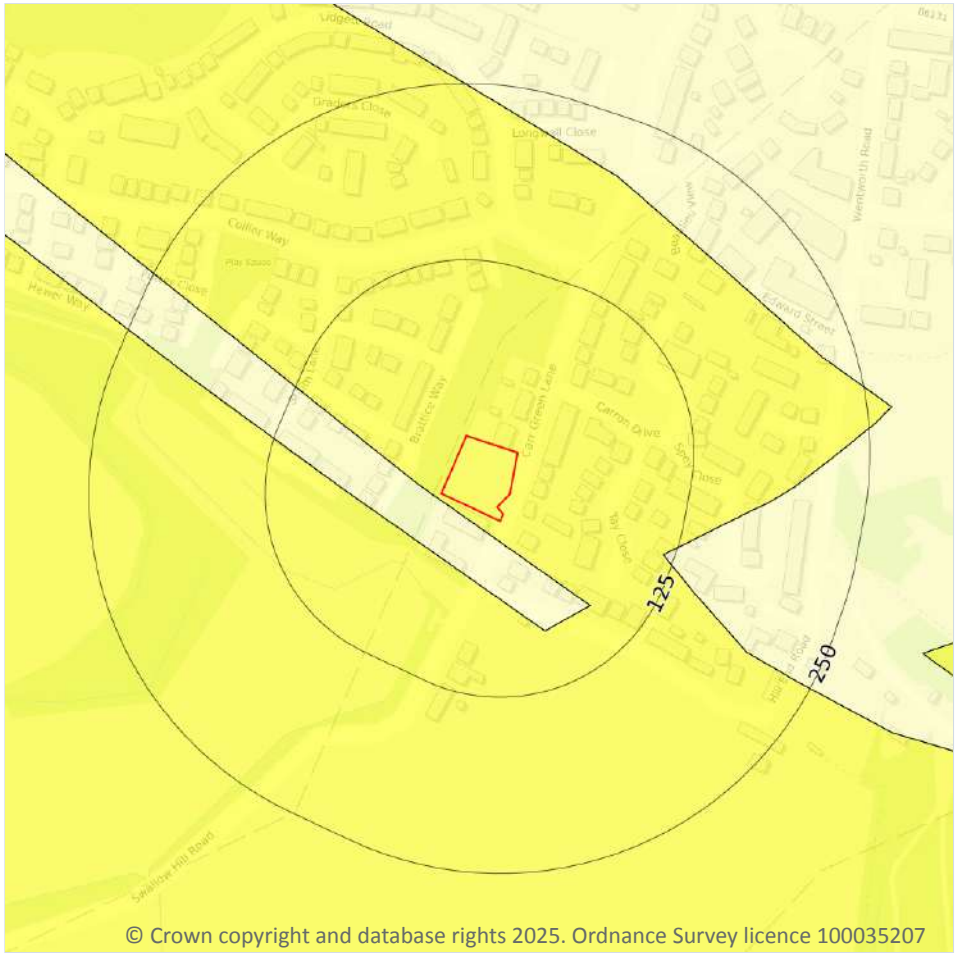
16.1 BGS Boreholes

Records within 250m	0

The Single Onshore Boreholes Index (SOBI); an index of over one million records of boreholes, shafts and wells from all forms of drilling and site investigation work held by the British Geological Survey. Covering onshore and nearshore boreholes dating back to at least 1790 and ranging from one to several thousand metres deep.

This data is sourced from the British Geological Survey.

17 Natural ground subsidence - Shrink swell clays



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Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.1 Shrink swell clays

Records within 50m	2

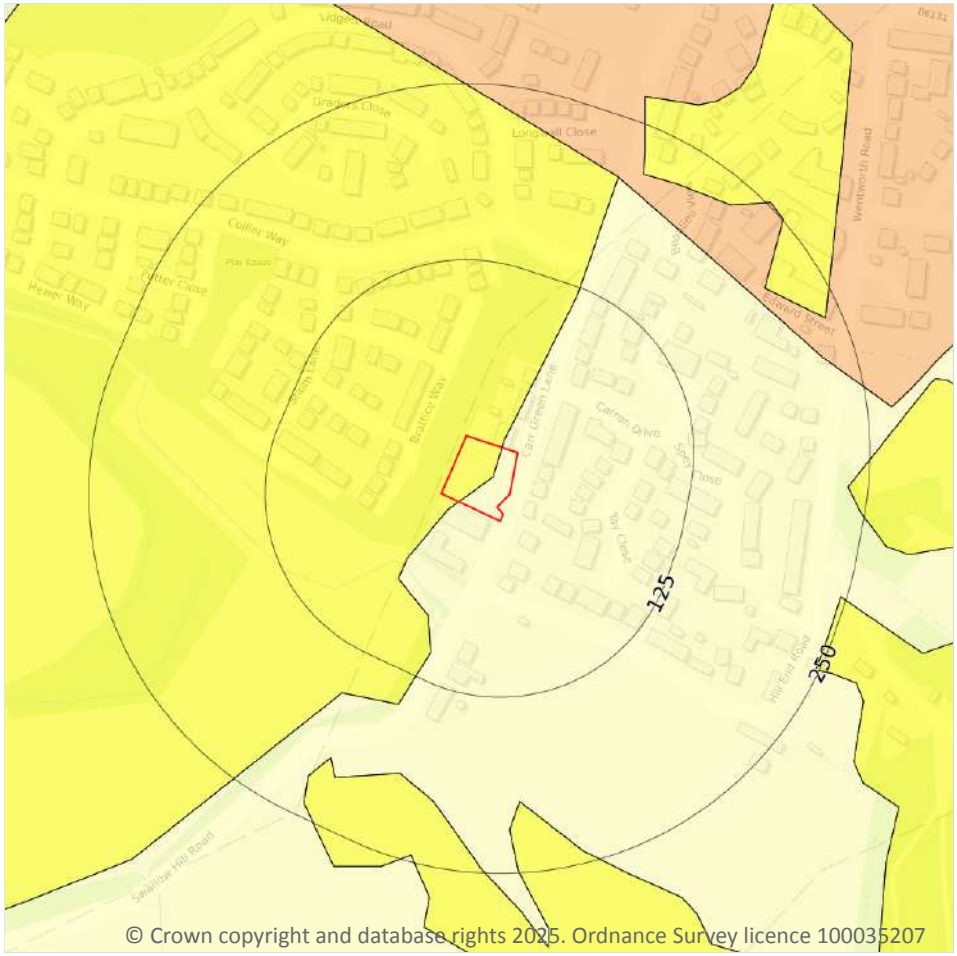
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and local drainage).

Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 102 >**

Location	Hazard rating	Details
On site	**Very low**	**Ground conditions predominantly low plasticity.**
4m SW	Negligible	Ground conditions predominantly non-plastic.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Running sands



Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.2 Running sands

Records within 50m	2

The potential hazard presented by rocks that can contain loosely-packed sandy layers that can become fluidised by water flowing through them. Such sands can 'run', removing support from overlying buildings and causing potential damage.

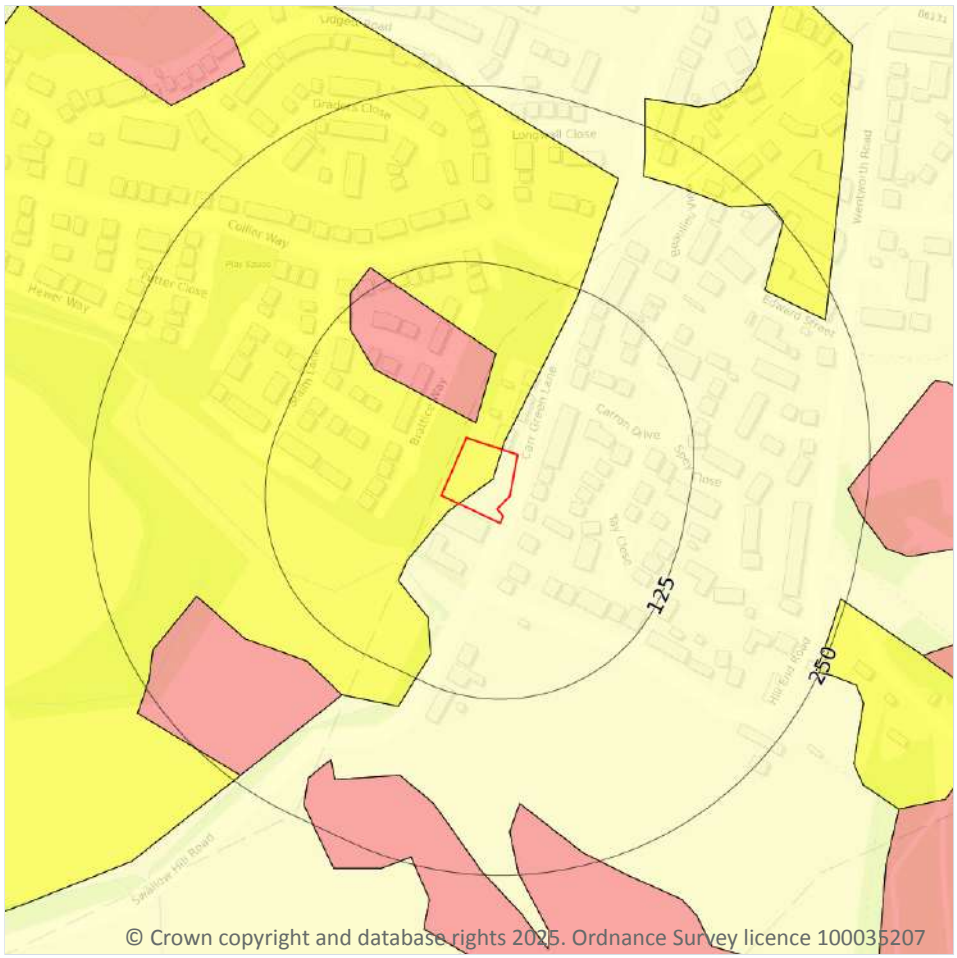
Features are displayed on the Natural ground subsidence - Running sands map on **page 103 >**

Location	Hazard rating	Details
On site	**Negligible**	**Running sand conditions are not thought to occur whatever the position of the water table. No identified constraints on lands use due to running conditions.**

Location	Hazard rating	Details
On site	**Very low**	**Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.**

This data is sourced from the British Geological Survey.

Natural ground subsidence - Compressible deposits



Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.3 Compressible deposits

Records within 50m	3

The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

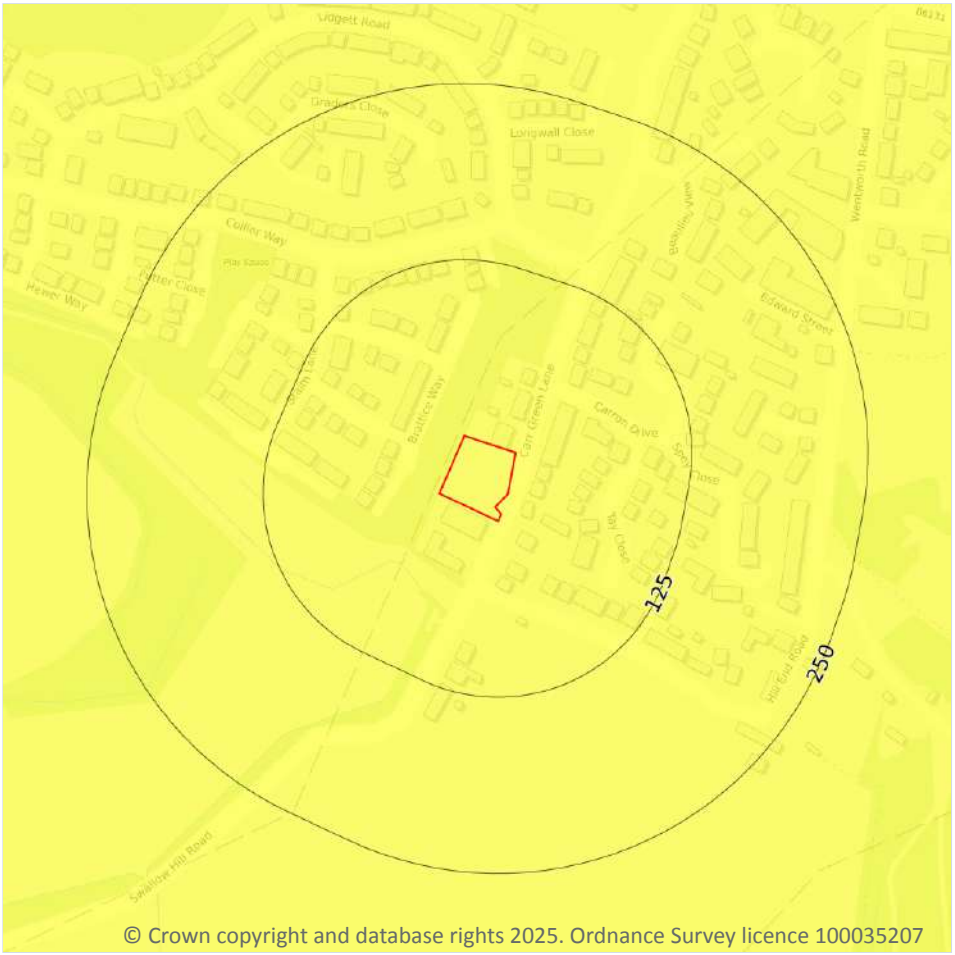
Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 105 >**

Location	Hazard rating	Details
On site	**Negligible**	**Compressible strata are not thought to occur.**
On site	**Very low**	**Compressibility and uneven settlement problems are not likely to be significant on the site for most land uses.**

Location	Hazard rating	Details
12m N	Moderate	Compressibility and uneven settlement hazards are probably present. Land use should consider specifically the compressibility and variability of the site.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Collapsible deposits



Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.4 Collapsible deposits

Records within 50m	1

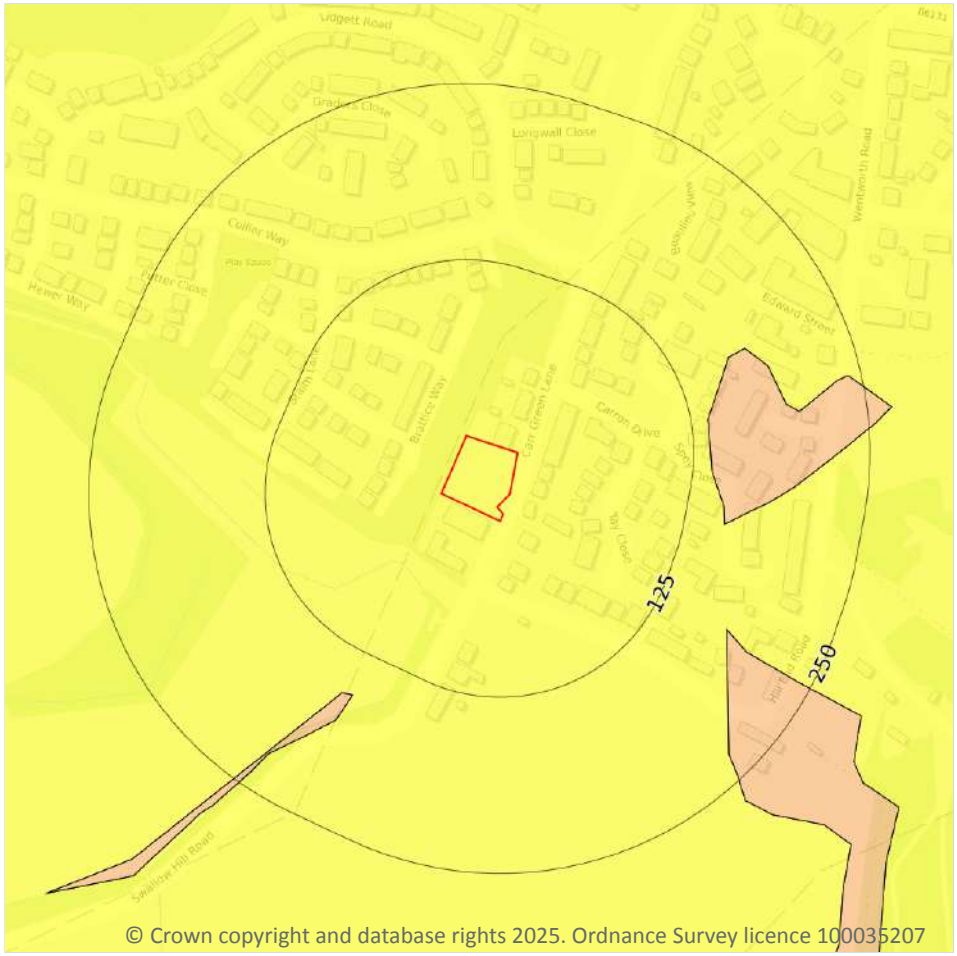
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 107 >**

Location	Hazard rating	Details
On site	**Very low**	**Deposits with potential to collapse when loaded and saturated are unlikely to be present.**

This data is sourced from the British Geological Survey.

Natural ground subsidence - Landslides



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Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.5 Landslides

Records within 50m	1

The potential for landsliding (slope instability) to be a hazard assessed using 1:50,000 scale digital maps of superficial and bedrock deposits, combined with information from the BGS National Landslide Database and scientific and engineering reports.

Features are displayed on the Natural ground subsidence - Landslides map on **page 108 >**

Location	Hazard rating	Details
On site	**Very low**	**Slope instability problems are not likely to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.**

This data is sourced from the British Geological Survey.

Natural ground subsidence - Ground dissolution of soluble rocks

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Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.6 Ground dissolution of soluble rocks

Records within 50m	1

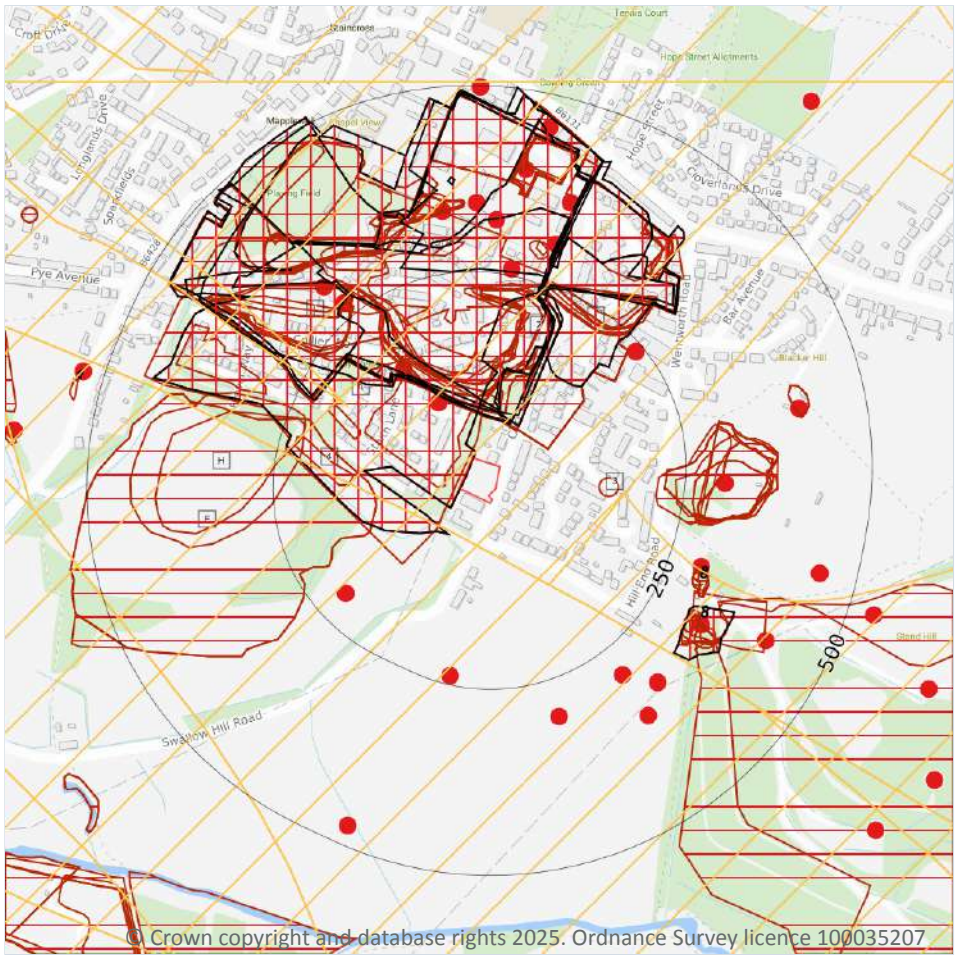
The potential hazard presented by ground dissolution, which occurs when water passing through soluble rocks produces underground cavities and cave systems. These cavities reduce support to the ground above and can cause localised collapse of the overlying rocks and deposits.

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 109 >**

Location	Hazard rating	Details
On site	**Negligible**	**Soluble rocks are either not thought to be present within the ground, or not prone to dissolution. Dissolution features are unlikely to be present.**

This data is sourced from the British Geological Survey.

18 Mining and ground workings



Site Outline

Search buffers in metres (m)

- BritPits
- Surface ground workings
- Underground workings
- Underground mining extents
- Historical mineral planning areas
- TCA non-coal mining

Non Coal Mining

- Sporadic underground mining of restricted extent possible
- Localised small scale underground mining possible
- Small scale mining possible
- Underground mining known or likely within or in close proximity
- Underground mining known within or in very close proximity

18.1 BritPits

Records within 500m	29

BritPits (an abbreviation of British Pits) is a database maintained by the British Geological Survey of currently active and closed surface and underground mineral workings. Details of major mineral handling sites, such as wharfs and rail depots are also held in the database.

Features are displayed on the Mining and ground workings map on **page 111 >**

ID	Location	Details	Description
D	88m NW	Name: Hill End OCCS Address: Mapplewell, BARNSLEY, South Yorkshire Commodity: Coal, Surface Mined Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
C	151m NW	Name: North Gawber Colliery Air Shaft Address: Mapplewell, BARNSLEY, South Yorkshire Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit, drift or incline. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun' Ee' - Scots). May also be locally termed `Quarry' or `Underground Quarry' when referring to sites extracting building stone (e.g. in Dorset and Wiltshire). The location given is that of the mine entrance and may be approximate for older sites shown on contemporaneous mapping by the Geological Survey used as the source document. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
6	207m SW	Name: Hill End OCCS Address: Mapplewell, BARNSLEY, South Yorkshire Commodity: Coal, Surface Mined Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
7	238m S	Name: Tipsey Hill OCCS Address: Mapplewell, BARNSLEY, South Yorkshire Commodity: Coal, Surface Mined Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.

ID	Location	Details	Description
8	239m NE	Name: Wentworth Road Shaft Address: Wentworth Road, Mapplewell, BARNSLEY, South Yorkshire Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit, drift or incline. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun' Ee' - Scots). May also be locally termed `Quarry' or `Underground Quarry' when referring to sites extracting building stone (e.g. in Dorset and Wiltshire). The location given is that of the mine entrance and may be approximate for older sites shown on contemporaneous mapping by the Geological Survey used as the source document. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
K	259m N	Name: North Gawber Colliery Address: Mapplewell, BARNSLEY, South Yorkshire Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit, drift or incline. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun' Ee' - Scots). May also be locally termed `Quarry' or `Underground Quarry' when referring to sites extracting building stone (e.g. in Dorset and Wiltshire). The location given is that of the mine entrance and may be approximate for older sites shown on contemporaneous mapping by the Geological Survey used as the source document. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
C	270m NW	Name: Mapplewell Mine Address: Mapplewell, BARNSLEY, South Yorkshire Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit, drift or incline. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun' Ee' - Scots). May also be locally termed `Quarry' or `Underground Quarry' when referring to sites extracting building stone (e.g. in Dorset and Wiltshire). The location given is that of the mine entrance and may be approximate for older sites shown on contemporaneous mapping by the Geological Survey used as the source document. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.

ID	Location	Details	Description
M	291m SE	Name: Tipsey Hill OCCS Address: Mapplewell, BARNSLEY, South Yorkshire Commodity: Coal, Surface Mined Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
L	295m E	Name: Dearne Side Colliery Address: Mapplewell, BARNSLEY, South Yorkshire Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit, drift or incline. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun' Ee' - Scots). May also be locally termed `Quarry' or `Underground Quarry' when referring to sites extracting building stone (e.g. in Dorset and Wiltshire). The location given is that of the mine entrance and may be approximate for older sites shown on contemporaneous mapping by the Geological Survey used as the source document. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
10	301m S	Name: Tipsey Hill OCCS Address: Mapplewell, BARNSLEY, South Yorkshire Commodity: Coal, Surface Mined Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
G	304m E	Name: Blacker Hill Address: Mapplewell, Darton, BARNSLEY, South Yorkshire Commodity: Sandstone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.

ID	Location	Details	Description
C	304m NW	Name: Mapplewell Mine Address: Mapplewell, BARNSLEY, South Yorkshire Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit, drift or incline. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun' Ee' - Scots). May also be locally termed `Quarry' or `Underground Quarry' when referring to sites extracting building stone (e.g. in Dorset and Wiltshire). The location given is that of the mine entrance and may be approximate for older sites shown on contemporaneous mapping by the Geological Survey used as the source document. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
K	308m N	Name: North Gawber Colliery Address: Mapplewell, BARNSLEY, South Yorkshire Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit, drift or incline. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun' Ee' - Scots). May also be locally termed `Quarry' or `Underground Quarry' when referring to sites extracting building stone (e.g. in Dorset and Wiltshire). The location given is that of the mine entrance and may be approximate for older sites shown on contemporaneous mapping by the Geological Survey used as the source document. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
B	322m N	Name: North Gawber Colliery, Barnsley Shaft Address: Mapplewell, Darton, BARNSLEY, South Yorkshire Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit, drift or incline. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun' Ee' - Scots). May also be locally termed `Quarry' or `Underground Quarry' when referring to sites extracting building stone (e.g. in Dorset and Wiltshire). The location given is that of the mine entrance and may be approximate for older sites shown on contemporaneous mapping by the Geological Survey used as the source document. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.

ID	Location	Details	Description
L	327m SE	Name: Dearne Side Colliery Address: Mapplewell, BARNSLEY, South Yorkshire Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit, drift or incline. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun' Ee' - Scots). May also be locally termed `Quarry' or `Underground Quarry' when referring to sites extracting building stone (e.g. in Dorset and Wiltshire). The location given is that of the mine entrance and may be approximate for older sites shown on contemporaneous mapping by the Geological Survey used as the source document. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
M	329m SE	Name: Dearne Side Colliery Address: Mapplewell, BARNSLEY, South Yorkshire Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit, drift or incline. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun' Ee' - Scots). May also be locally termed `Quarry' or `Underground Quarry' when referring to sites extracting building stone (e.g. in Dorset and Wiltshire). The location given is that of the mine entrance and may be approximate for older sites shown on contemporaneous mapping by the Geological Survey used as the source document. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
B	333m N	Name: North Gawber Colliery, No. 2 Mine Address: Mapplewell, BARNSLEY, South Yorkshire Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit, drift or incline. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun' Ee' - Scots). May also be locally termed `Quarry' or `Underground Quarry' when referring to sites extracting building stone (e.g. in Dorset and Wiltshire). The location given is that of the mine entrance and may be approximate for older sites shown on contemporaneous mapping by the Geological Survey used as the source document. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.

ID	Location	Details	Description
B	342m N	Name: North Gawber Colliery, Lidgett Shaft Address: Mapplewell, BARNSLEY, South Yorkshire Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit, drift or incline. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun' Ee' - Scots). May also be locally termed `Quarry' or `Underground Quarry' when referring to sites extracting building stone (e.g. in Dorset and Wiltshire). The location given is that of the mine entrance and may be approximate for older sites shown on contemporaneous mapping by the Geological Survey used as the source document. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
L	350m SE	Name: Dearne Side Colliery Address: Mapplewell, BARNSLEY, South Yorkshire Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit, drift or incline. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun' Ee' - Scots). May also be locally termed `Quarry' or `Underground Quarry' when referring to sites extracting building stone (e.g. in Dorset and Wiltshire). The location given is that of the mine entrance and may be approximate for older sites shown on contemporaneous mapping by the Geological Survey used as the source document. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
M	355m SE	Name: Dearne Side Colliery Address: Mapplewell, BARNSLEY, South Yorkshire Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit, drift or incline. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun' Ee' - Scots). May also be locally termed `Quarry' or `Underground Quarry' when referring to sites extracting building stone (e.g. in Dorset and Wiltshire). The location given is that of the mine entrance and may be approximate for older sites shown on contemporaneous mapping by the Geological Survey used as the source document. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.

ID	Location	Details	Description
P	367m N	Name: North Gawber Colliery Address: Mapplewell, BARNSLEY, South Yorkshire Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit, drift or incline. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun' Ee' - Scots). May also be locally termed `Quarry' or `Underground Quarry' when referring to sites extracting building stone (e.g. in Dorset and Wiltshire). The location given is that of the mine entrance and may be approximate for older sites shown on contemporaneous mapping by the Geological Survey used as the source document. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
B	394m N	Name: North Gawber Colliery, No. 1 Mine Address: Mapplewell, BARNSLEY, South Yorkshire Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit, drift or incline. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun' Ee' - Scots). May also be locally termed `Quarry' or `Underground Quarry' when referring to sites extracting building stone (e.g. in Dorset and Wiltshire). The location given is that of the mine entrance and may be approximate for older sites shown on contemporaneous mapping by the Geological Survey used as the source document. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
Q	409m E	Name: Blacker Hill Address: Mapplewell, BARNSLEY, South Yorkshire Commodity: Sandstone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.

ID	Location	Details	Description
11	413m SE	Name: Dearne Side Colliery Address: Mapplewell, BARNSLEY, South Yorkshire Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit, drift or incline. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun' Ee' - Scots). May also be locally termed `Quarry' or `Underground Quarry' when referring to sites extracting building stone (e.g. in Dorset and Wiltshire). The location given is that of the mine entrance and may be approximate for older sites shown on contemporaneous mapping by the Geological Survey used as the source document. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
13	450m E	Name: Tipsey Hill OCCS Address: Mapplewell, BARNSLEY, South Yorkshire Commodity: Coal, Surface Mined Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
B	455m N	Name: Blacker Mine Address: Blacker Road, Mapplewell, BARNSLEY, South Yorkshire Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit, drift or incline. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun' Ee' - Scots). May also be locally termed `Quarry' or `Underground Quarry' when referring to sites extracting building stone (e.g. in Dorset and Wiltshire). The location given is that of the mine entrance and may be approximate for older sites shown on contemporaneous mapping by the Geological Survey used as the source document. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.

ID	Location	Details	Description
B	473m N	Name: Blacker Mine Address: Blacker Road, Mapplewell, BARNSLEY, South Yorkshire Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit, drift or incline. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun' Ee' - Scots). May also be locally termed `Quarry' or `Underground Quarry' when referring to sites extracting building stone (e.g. in Dorset and Wiltshire). The location given is that of the mine entrance and may be approximate for older sites shown on contemporaneous mapping by the Geological Survey used as the source document. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
15	474m SW	Name: Barugh Bridge OCCS Address: Dearne Hall Road, Low Barugh, Staincross, BARNSLEY, South Yorkshire Commodity: Coal, Surface Mined Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
17	498m N	Name: Silly Row Pit Address: Blacker Road, Mapplewell, BARNSLEY, South Yorkshire Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit, drift or incline. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun' Ee' - Scots). May also be locally termed `Quarry' or `Underground Quarry' when referring to sites extracting building stone (e.g. in Dorset and Wiltshire). The location given is that of the mine entrance and may be approximate for older sites shown on contemporaneous mapping by the Geological Survey used as the source document. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.

This data is sourced from the British Geological Survey.

18.2 Surface ground workings

Records within 250m	56

Historical land uses identified from Ordnance Survey mapping that involved ground excavation at the surface. These features may or may not have been subsequently backfilled.

Features are displayed on the Mining and ground workings map on **page 111 >**

ID	Location	Land Use	Year of mapping	Mapping scale
A	**On site**	**Refuse Heap**	**1982**	**1:10000**
B	**On site**	**Colliery**	**1982**	**1:10000**
C	5m NW	Unspecified Disused Tip	1993	1:10000
D	16m NW	Slurry Ponds	1982	1:10000
B	53m NE	Colliery	1938	1:10560
B	53m NE	Colliery	1938	1:10560
B	55m NE	Colliery	1930	1:10560
B	55m NE	Colliery	1930	1:10560
B	55m NE	Colliery	1930	1:10560
B	55m NE	Colliery	1930	1:10560
B	59m N	Colliery	1948	1:10560
B	59m N	Colliery	1904	1:10560
B	61m NE	Colliery	1956	1:10560
C	65m N	Refuse Heap	1904	1:10560
C	66m N	Refuse Heap	1948	1:10560
C	67m N	Unspecified Disused Tip	1973	1:10000
C	67m N	Refuse Heap	1966	1:10560
C	68m N	Refuse Heap	1930	1:10560
C	68m N	Refuse Heap	1930	1:10560
C	68m N	Refuse Heap	1930	1:10560
C	68m N	Refuse Heap	1930	1:10560
B	72m N	Colliery	1891	1:10560
C	82m N	Refuse Heaps	1938	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
C	82m N	Refuse Heaps	1938	1:10560
B	85m N	Refuse Heap	1891	1:10560
C	91m N	Refuse Heap	1956	1:10560
E	113m W	Unspecified Disused Tip	1973	1:10000
E	113m W	Refuse Heap	1966	1:10560
2	126m N	Refuse Heap	1904	1:10560
3	136m E	Sandstone Quarry	1854	1:10560
4	144m W	Slurry Ponds	1982	1:10000
C	149m NW	Refuse Heap	1948	1:10560
A	151m NW	Pond	1993	1:10000
G	213m E	Sandstone Quarry	1854	1:10560
H	217m W	Refuse Heap	1956	1:10560
H	222m W	Unspecified Heap	1948	1:10560
G	223m E	Unspecified Quarry	1948	1:10560
G	223m E	Unspecified Quarry	1904	1:10560
G	223m E	Unspecified Quarry	1891	1:10560
I	224m NE	Refuse Heap	1930	1:10560
I	224m NE	Refuse Heap	1930	1:10560
I	224m NE	Refuse Heap	1930	1:10560
I	224m NE	Refuse Heap	1930	1:10560
I	225m NE	Refuse Heap	1948	1:10560
I	225m NE	Refuse Heap	1938	1:10560
I	225m NE	Refuse Heap	1938	1:10560
J	230m NW	Refuse Heap	1948	1:10560
I	230m NE	Refuse Heap	1956	1:10560
J	231m NW	Refuse Heap	1930	1:10560
J	231m NW	Refuse Heap	1930	1:10560
J	231m NW	Refuse Heap	1930	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
J	231m NW	Refuse Heap	1930	1:10560
I	231m NE	Unspecified Disused Tip	1973	1:10000
I	231m NE	Refuse Heap	1966	1:10560
J	233m NW	Refuse Heap	1956	1:10560
G	237m E	Refuse Heap	1982	1:10000

This is data is sourced from Ordnance Survey/Groundsure.

18.3 Underground workings

Records within 1000m **26**

Historical land uses identified from Ordnance Survey mapping that indicate the presence of underground workings e.g. mine shafts.

Features are displayed on the Mining and ground workings map on **page 111 >**

ID	Location	Land Use	Year of mapping	Mapping scale
B	**On site**	**Colliery**	**1982**	**1:10000**
B	59m N	Colliery	1948	1:10560
B	59m N	Colliery	1904	1:10560
B	61m NE	Colliery	1956	1:10560
B	67m N	Unspecified Mine	1973	1:10000
B	72m N	Colliery	1891	1:10560
B	252m N	Unspecified Mine	1966	1:10560
L	298m E	Unspecified Old Shaft	1956	1:10560
L	299m E	Unspecified Old Shaft	1948	1:10560
L	299m E	Unspecified Old Shaft	1904	1:10560
L	303m SE	Disused Colliery	1890	1:10560
L	319m SE	Unspecified Old Shaft	1956	1:10560
L	320m SE	Unspecified Old Shaft	1948	1:10560
B	362m N	Unspecified Shaft	1956	1:10560
B	368m N	Unspecified Shaft	1948	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
R	529m W	Air Shaft	1956	1:10560
R	529m W	Air Shaft	1948	1:10560
R	529m W	Air Shaft	1904	1:10560
-	782m W	Air Shaft	1956	1:10560
-	784m W	Air Shaft	1948	1:10560
-	784m W	Air Shaft	1904	1:10560
-	803m N	Old Coal Pit	1904	1:10560
-	871m W	Disused Colliery	1956	1:10560
-	881m W	Colliery	1948	1:10560
-	911m W	Colliery	1904	1:10560
-	949m NW	Unspecified Old Shaft	1948	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.4 Underground mining extents

Records within 500m	0

This data identifies underground mine workings that could present a potential risk, including adits and seam workings. These features have been identified from BGS Geological mapping and mine plans sourced from the BGS and various collections and sources.

This data is sourced from Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m	0

Boundaries of mineral planning permissions for England and Wales. This data was collated between the 1940s (and retrospectively to the 1930s) and the mid 1980s. The data includes permitted, withdrawn and refused permissions.

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m	19

The potential for historical non-coal mining to have affected an area. The assessment is drawn from expert knowledge and literature in addition to the digital geological map of Britain. Mineral commodities may be divided into seven general categories - vein minerals, chalk, oil shale, building stone, bedded ores, evaporites and 'other' commodities (including ball clay, jet, black marble, graphite and chert).

Features are displayed on the Mining and ground workings map on **page 111 >**

ID	Location	Name	Commodity	Class	Likelihood
B	**On site**	**Not available**	**Iron Ore (Bedded)**	**B**	**Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.**
1	57m SW	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
F	131m SE	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
5	185m NW	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
12	449m SE	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
14	467m SW	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
18	505m N	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.

ID	Location	Name	Commodity	Class	Likelihood
20	575m W	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
23	625m NW	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
26	691m NE	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
27	698m SW	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
29	742m SW	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	816m NE	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	837m S	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	855m NW	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	910m SW	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.

ID	Location	Name	Commodity	Class	Likelihood
-	941m S	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	953m S	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	972m SE	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.

This data is sourced from the British Geological Survey.

18.7 JPB mining areas

Records on site	0

Areas which could be affected by former coal and other mining. This data includes some mine plans unavailable to the Coal Authority.

This data is sourced from Johnson Poole and Bloomer.

18.8 The Coal Authority non-coal mining

Records within 500m	0

This data provides an indication of the potential zone of influence of recorded underground non-coal mining workings. Any and all analysis and interpretation of Coal Authority Data in this report is made by Groundsure, and is in no way supported, endorsed or authorised by the Coal Authority. The use of the data is restricted to the terms and provisions contained in this report. Data reproduced in this report may be the copyright of the Coal Authority and permission should be sought from Groundsure prior to any re-use.

This data is sourced from The Coal Authority.

18.9 Researched mining

Records within 500m	0

This data indicates areas of potential mining identified from alternative or archival sources, including; BGS Geological paper maps, Lidar data, aerial photographs (from World War II onwards), archaeological data services, websites, Tithe maps, and various text/plans from collected books and reports. Some of this data is approximate and Groundsure have interpreted the resultant risk area and, where possible, specific areas of risk have been captured.

This data is sourced from Groundsure.

18.10 Mining record office plans

Records within 500m	0

This dataset is representative of Mining Record Office and/or plan extents held by Groundsure and should be considered approximate. Where possible, plans have been located and any specific areas of risk they depict have been captured.

This data is sourced from Groundsure.

18.11 BGS mine plans

Records within 500m	0

This dataset is representative of BGS mine plans held by Groundsure and should be considered approximate. Where possible, plans have been located and any specific areas of risk they depict have been captured.

This data is sourced from Groundsure.

18.12 Coal mining

Records on site	1

Areas which could be affected by past, current or future coal mining.

Location	Details
On site	**The site is located within a coal mining area as defined by the Coal Authority. A Consultants Coal Mining Report is recommended to further assess coal mining issues at the site. This can be ordered directly through Groundsure or your preferred search provider.**

This data is sourced from the Coal Authority.

18.13 Brine areas

Records on site	0

The Cheshire Brine Compensation District indicates areas that may be affected by salt and brine extraction in Cheshire and where compensation would be available where damage from this mining has occurred. Damage from salt and brine mining can still occur outside this district, but no compensation will be available.

This data is sourced from the Cheshire Brine Subsidence Compensation Board.

18.14 Gypsum areas

Records on site	0

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.15 Tin mining

Records on site	0

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

18.16 Clay mining

Records on site	0

Generalised areas that may be affected by kaolin and ball clay extraction.

This data is sourced from the Kaolin and Ball Clay Association (UK).

19 Ground cavities and sinkholes

19.1 Natural cavities

Records within 500m	0

Industry recognised national database of natural cavities. Sinkholes and caves are formed by the dissolution of soluble rock, such as chalk and limestone, gulls and fissures by cambering. Ground instability can result from movement of loose material contained within these cavities, often triggered by water.

This data is sourced from Stantec UK Ltd.

19.2 Mining cavities

Records within 1000m	0

Industry recognised national database of mining cavities. Degraded mines may result in hazardous subsidence (crown holes). Climatic conditions and water escape can also trigger subsidence over mine entrances and workings.

This data is sourced from Stantec UK Ltd.

19.3 Reported recent incidents

Records within 500m	0

This data identifies sinkhole information gathered from media reports and Groundsure's own records. This data goes back to 2014 and includes relative accuracy ratings for each event and links to the original data sources. The data is updated on a regular basis and should not be considered a comprehensive catalogue of all sinkhole events. The absence of data in this database does not mean a sinkhole definitely has not occurred during this time.

This data is sourced from Groundsure.

19.4 Historical incidents

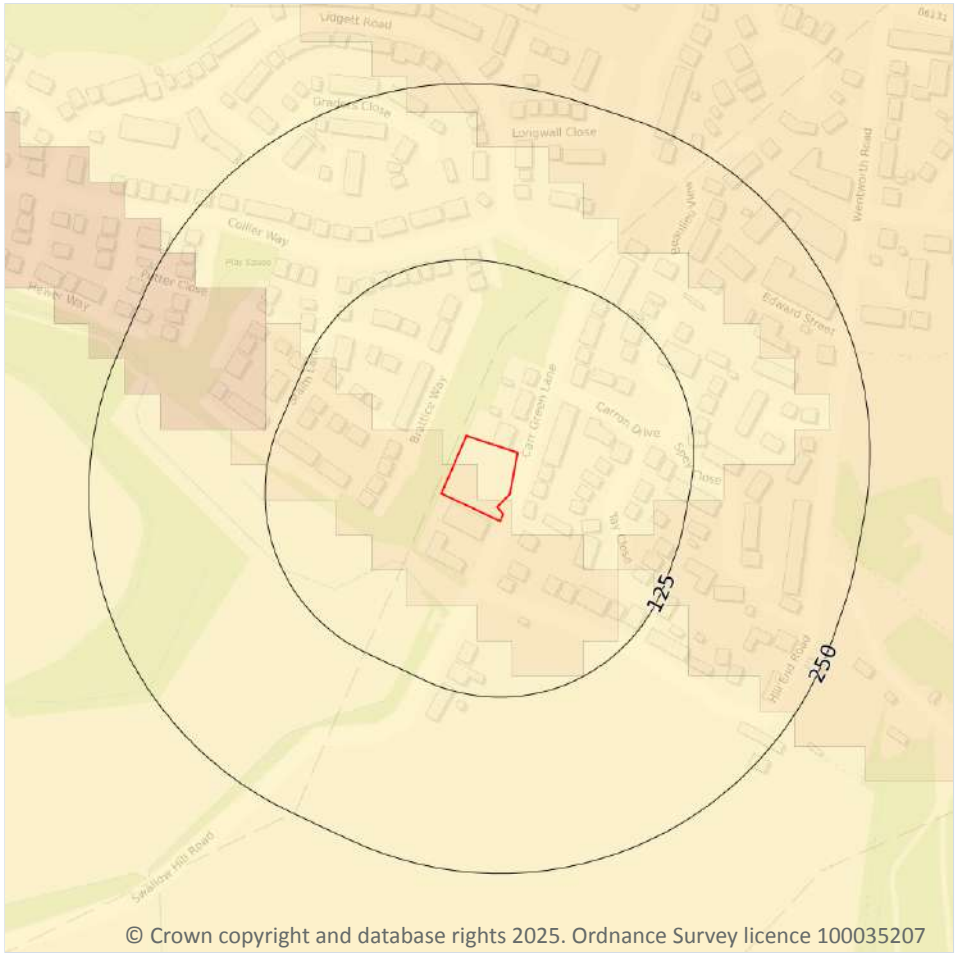
Records within 500m	0

This dataset comprises an extract of 1:10,560, 1:10,000, 1:2,500 and 1:1,250 scale historical Ordnance Survey maps held by Groundsure, dating back to the 1840s. It shows shakeholes, deneholes and other 'holes' as noted on these maps. Dene holes are medieval chalk extraction pits, usually comprising a narrow shaft with a number of chambers at the base of the shaft. Shakeholes are an alternative name for suffusion sinkholes, most commonly found in the limestone landscapes of North Yorkshire but also extensively noted around the Brecon Beacons National Park.

Not all 'holes' noted on Ordnance Survey mapping will necessarily be present within this dataset.

This data is sourced from Groundsure.

20 Radon



Site Outline

Search buffers in metres (m)

- Greater than 30%
- Between 10% and 30%
- Between 5% and 10%
- Between 3% and 5%
- Between 1% and 3%
- Less than 1%

20.1 Radon

Records on site	2

The Radon Potential data classifies areas based on their likelihood of a property having a radon level at or above the Action Level in Great Britain. The dataset is intended for use at 1:50,000 scale and was derived from both geological assessments and indoor radon measurements (more than 560,000 records). A minimum 50m buffer should be considered when searching the maps, as the smallest detectable feature at this scale is 50m. The findings of this section should supersede any estimations derived from the Indicative Atlas of Radon in Great Britain (1:100,000 scale).

Features are displayed on the Radon map on **page 132 >**

Location	Estimated properties affected	Radon Protection Measures required
On site	**Between 1% and 3%**	**None**

Location	Estimated properties affected	Radon Protection Measures required
On site	**Between 3% and 5%**	**Basic**

This data is sourced from the British Geological Survey and UK Health Security Agency.

21 Soil chemistry

21.1 BGS Estimated Background Soil Chemistry

Records within 50m	2

The estimated values provide the likely background concentration of the potentially harmful elements Arsenic, Cadmium, Chromium, Lead and Nickel in topsoil. The values are estimated primarily from rural topsoil data collected at a sample density of approximately 1 per 2 km^2. In areas where rural soil samples are not available, estimation is based on stream sediment data collected from small streams at a sampling density of 1 per 2.5 km^2; this is the case for most of Scotland, Wales and southern England. The stream sediment data are converted to soil-equivalent concentrations prior to the estimation.

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	**15 - 25 mg/kg**	**No data**	**200 - 300 mg/kg**	**120 - 240 mg/kg**	**1.8 mg/kg**	**120 - 180 mg/kg**	**30 - 45 mg/kg**
5m N	15 - 25 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	120 - 180 mg/kg	30 - 45 mg/kg

This data is sourced from the British Geological Survey.

21.2 BGS Estimated Urban Soil Chemistry

Records within 50m	0

Estimated topsoil chemistry of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc and bioaccessible Arsenic and Lead in 23 urban centres across Great Britain. These estimates are derived from interpolation of the measured urban topsoil data referred to above and provide information across each city between the measured sample locations (4 per km^2).

This data is sourced from the British Geological Survey.

21.3 BGS Measured Urban Soil Chemistry

Records within 50m	0

The locations and measured total concentrations (mg/kg) of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc in urban topsoil samples from 23 urban centres across Great Britain. These are collected at a sample density of 4 per km^2.

This data is sourced from the British Geological Survey.

22 Railway infrastructure and projects

Site Outline

Search buffers in metres (m)

- Crossrail 2 Stations
- Crossrail 2 Route
- Crossrail 2 Worksites
- Crossrail 2 Safeguarding
- Crossrail 2 Headhouses
- Railway stations
- Active railways
- Active tunnels
- Abandoned railways
- Historic railways
- Historic tunnels
- Underground stations
- Underground Lines
- Royal Mail tunnels
- HS2 optimised route
- HS2 Stations
- HS2 Depots
- HS2 Surface Safeguarding
- HS2 Subsurface Safeguarding

22.1 Underground railways (London)

Records within 250m	0

Details of all active London Underground lines, including approximate tunnel roof depth and operational hours.

This data is sourced from publicly available information by Groundsure.

22.2 Underground railways (Non-London)

Records within 250m	0

Details of the Merseyrail system, the Tyne and Wear Metro and the Glasgow Subway. Not all parts of all systems are located underground. The data contains location information only and does not include a depth assessment.

This data is sourced from publicly available information by Groundsure.

22.3 Railway tunnels

Records within 250m	0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

22.4 Historical railway and tunnel features

Records within 250m	21

Railways and tunnels digitised from historical Ordnance Survey mapping as scales of 1:1,250, 1:2,500, 1:10,000 and 1:10,560.

Features are displayed on the Railway infrastructure and projects map on **page 135 >**

Location	Land Use	Year of mapping	Mapping scale
99m N	Railway Sidings	1938	10560
105m N	Railway Sidings	1948	10560
106m N	Railway Sidings	1930	10560
106m N	Railway Sidings	1913	2500
106m N	Railway Sidings	1913	2500
150m N	Railway Sidings	1904	10560
154m N	Railway Sidings	1893	2500
155m N	Railway Sidings	1891	10560
157m N	Railway Sidings	1906	2500
170m N	Railway Sidings	1973	10000
170m N	Railway Sidings	1966	10560
183m N	Railway Sidings	1982	10000
185m N	Mineral Railway Sidings	1961	2500
193m N	Mineral Railway Sidings	1988	2500
193m N	Mineral Railway Sidings	1989	2500
195m N	Mineral Railway Sidings	1974	2500
196m N	Mineral Railway Sidings	1977	1250

Location	Land Use	Year of mapping	Mapping scale
201m N	Railway Sidings	1956	10560
234m NW	Railway Sidings	1977	1250
249m NW	Mineral Railway Sidings	1963	2500
249m NW	Mineral Railway Sidings	1984	2500

This data is sourced from Ordnance Survey/Groundsure.

22.5 Royal Mail tunnels

Records within 250m	0

The Post Office Railway, otherwise known as the Mail Rail, is an underground railway running through Central London from Paddington Head District Sorting Office to Whitechapel Eastern Head Sorting Office. The line is 10.5km long. The data includes details of the full extent of the tunnels, the depth of the tunnel, and the depth to track level.

This data is sourced from Groundsure/the Postal Museum.

22.6 Historical railways

Records within 250m	2

Former railway lines, including dismantled lines, abandoned lines, disused lines, historic railways and razed lines.

Features are displayed on the Railway infrastructure and projects map on **page 135 >**

Location	Description
227m N	Razed
227m N	Historical OSM

This data is sourced from OpenStreetMap.

22.7 Railways

Records within 250m	0

Currently existing railway lines, including standard railways, narrow gauge, funicular, trams and light railways.

This data is sourced from Ordnance Survey and OpenStreetMap.

22.8 Crossrail 2

Records within 500m	0

Crossrail 2 is a proposed railway linking the national rail networks in Surrey and Hertfordshire via an underground tunnel through London.

This data is sourced from publicly available information by Groundsure.

22.9 HS2

Records within 500m	0

HS2 is a proposed high speed rail network running from London to Manchester and Leeds via Birmingham. Main civils construction on Phase 1 (London to Birmingham) of the project began in 2019, and it is currently anticipated that this phase will be fully operational by 2026. Construction on Phase 2a (Birmingham to Crewe) is anticipated to commence in 2021, with the service fully operational by 2027. Construction on Phase 2b (Crewe to Manchester and Birmingham to Leeds) is scheduled to begin in 2023 and be operational by 2033.

This data is sourced from HS2 ltd.

Data providers

Groundsure works with respected data providers to bring you the most relevant and accurate information. To find out who they are and their areas of expertise see https://www.groundsure.com/sources-reference ↗.

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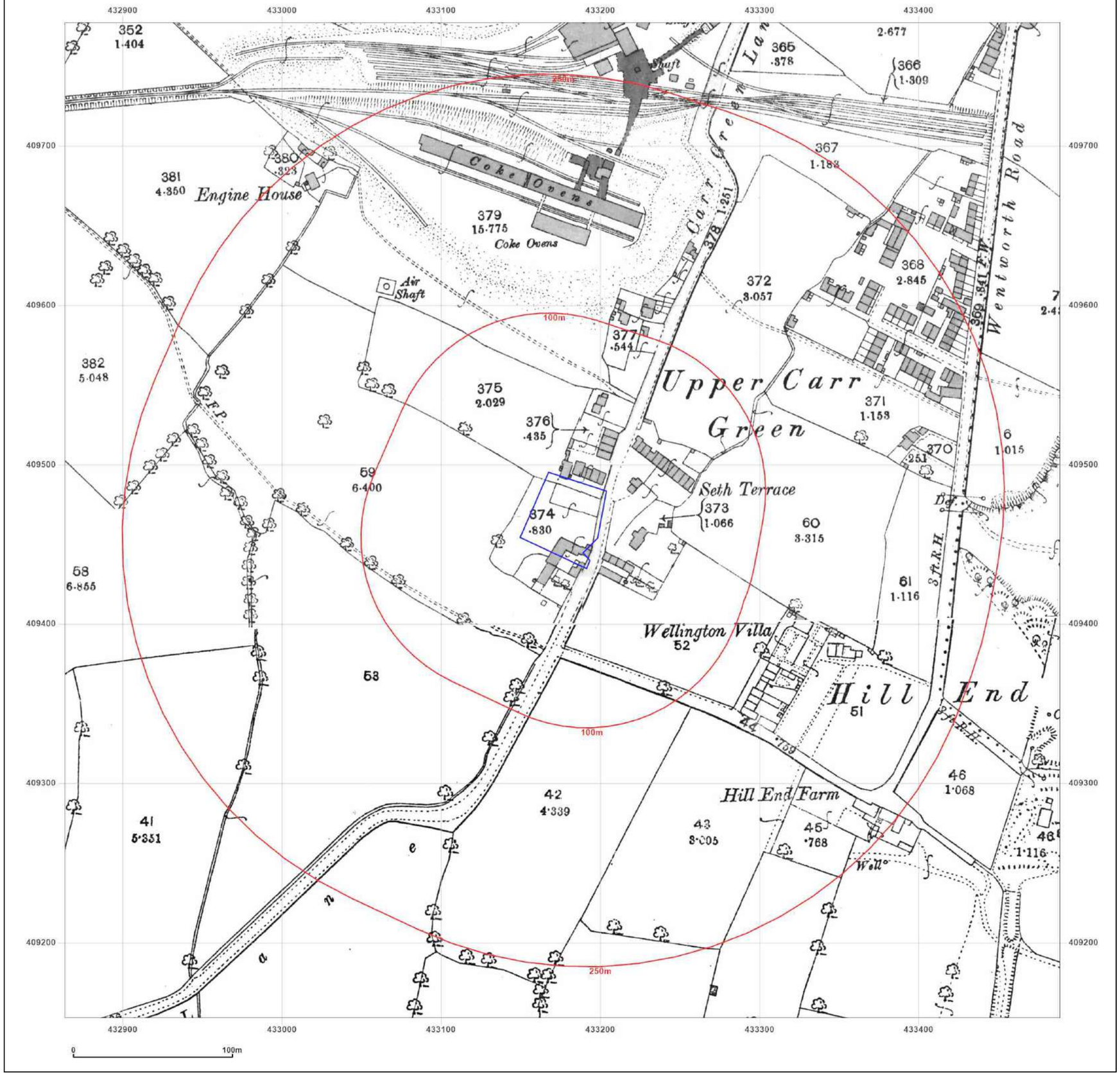

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Client Ref: C775
Report Ref: GS-KYE-GIG-M4D-Z4U
Grid Ref: 433176, 409465

Map Name: County Series

Map date: **1892-1893**

Scale: 1:2,500

Printed at: 1:2,500

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Surveyed 1893
Revised 1893
Edition N/A
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Edition N/A
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Client Ref: C775
Report Ref: GS-KYE-GIG-M4D-Z4U
Grid Ref: 433176, 409465

Map Name: County Series

Map date: **1906**

Scale: 1:2,500

Printed at: 1:2,500

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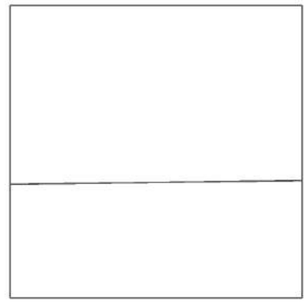
Surveyed 1906
Revised 1906
Edition N/A
Copyright N/A
Levelled N/A



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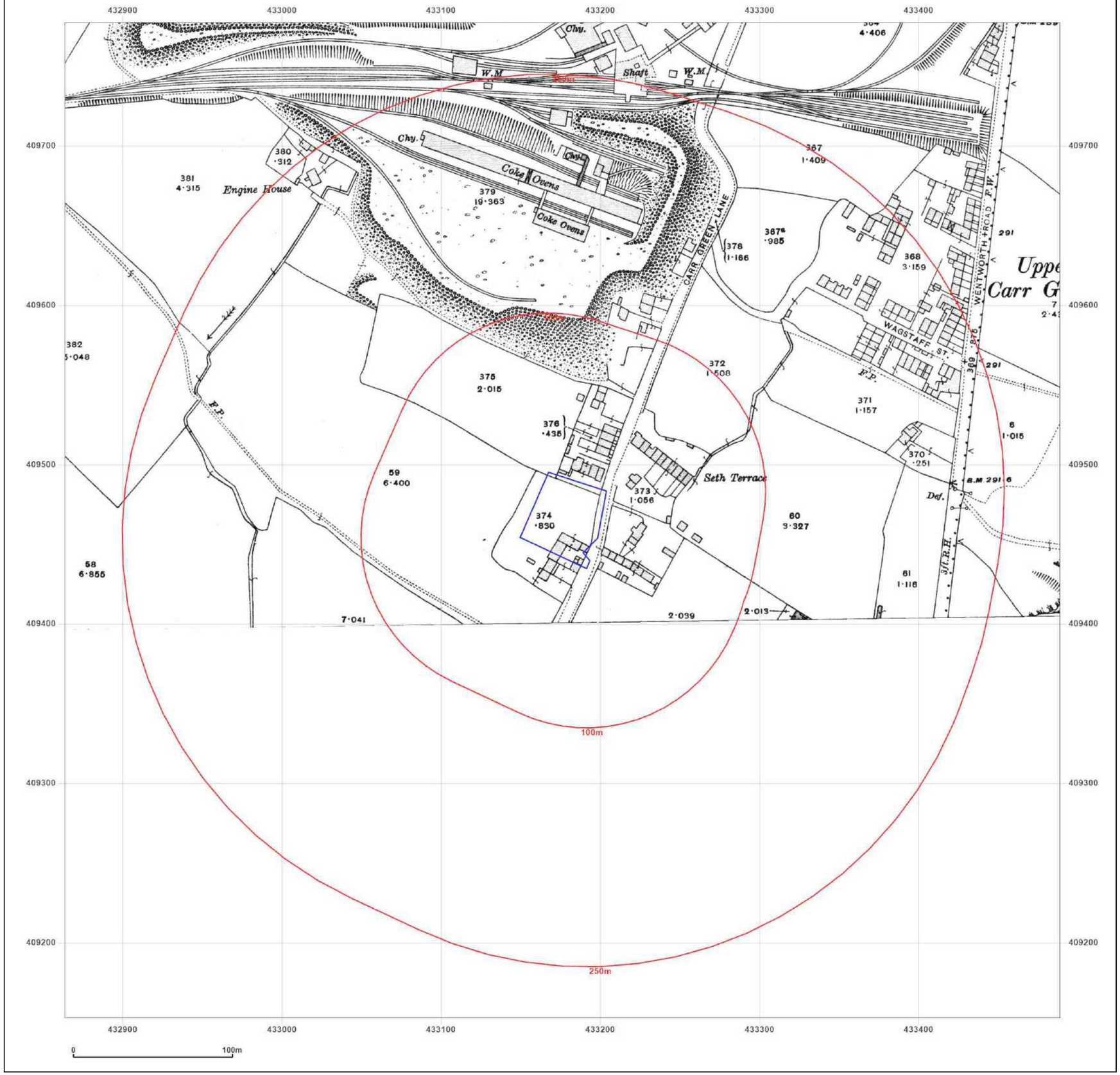

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Client Ref: C775
Report Ref: GS-KYE-GIG-M4D-Z4U
Grid Ref: 433176, 409465

Map Name: County Series
Map date: **1913**
Scale: 1:2,500
Printed at: 1:2,500

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Revised 1913
Edition N/A
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Client Ref: C775
Report Ref: GS-KYE-GIG-M4D-Z4U
Grid Ref: 433176, 409465

Map Name: National Grid

Map date: **1961**

Scale: 1:2,500

Printed at: 1:2,500

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Edition N/A
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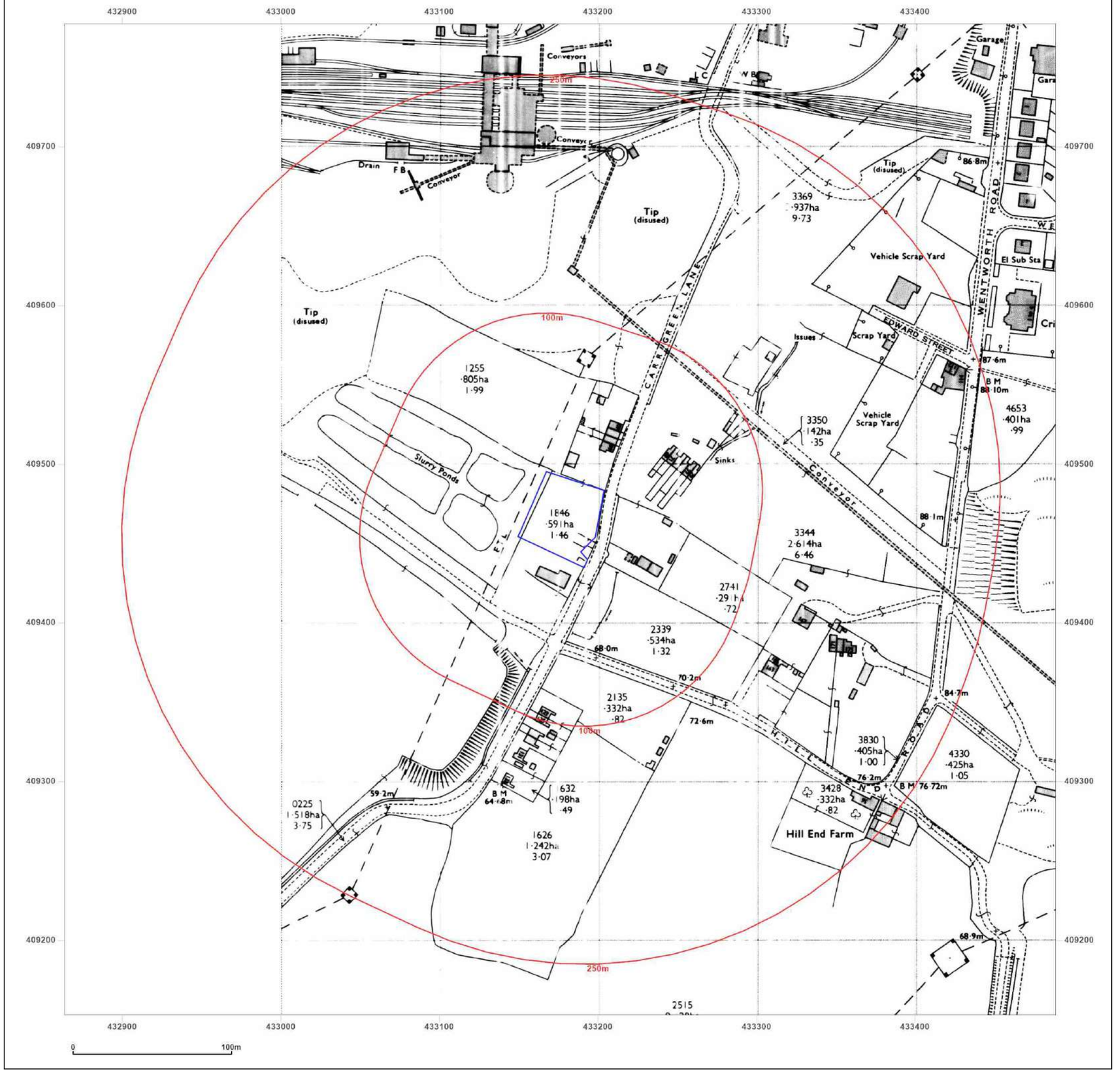

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Client Ref: C775
Report Ref: GS-KYE-GIG-M4D-Z4U
Grid Ref: 433176, 409465

Map Name: National Grid
Map date: **1974**
Scale: 1:2,500
Printed at: 1:2,500

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Revised N/A
Edition N/A
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6DY

Client Ref: C775
Report Ref: GS-KYE-GIG-M4D-Z4U
Grid Ref: 433176, 409465

Map Name: National Grid

Map date: **1974**

Scale: 1:2,500

Printed at: 1:2,500

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Revised 1973
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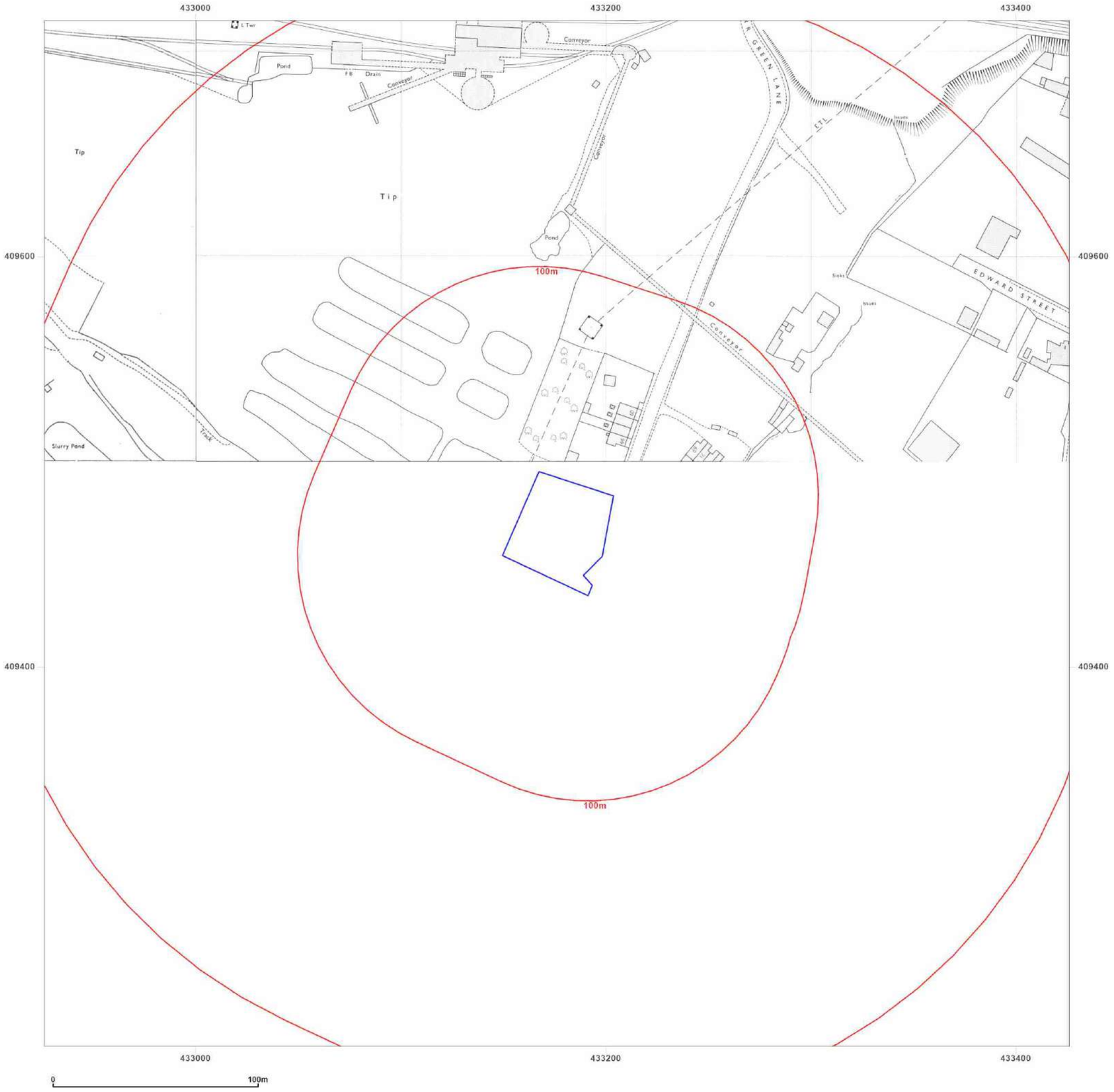

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Client Ref: C775
Report Ref: GS-KYE-GIG-M4D-Z4U
Grid Ref: 433176, 409465

Map Name: National Grid
Map date: **1977-1981**
Scale: 1:1,250
Printed at: 1:2,000

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Surveyed N/A
Revised N/A
Edition N/A
Copyright 1981
Levelled 1963

Surveyed 1977
Revised 1977
Edition N/A
Copyright 1977
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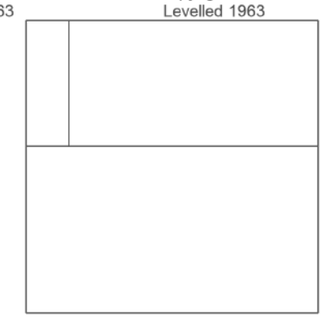

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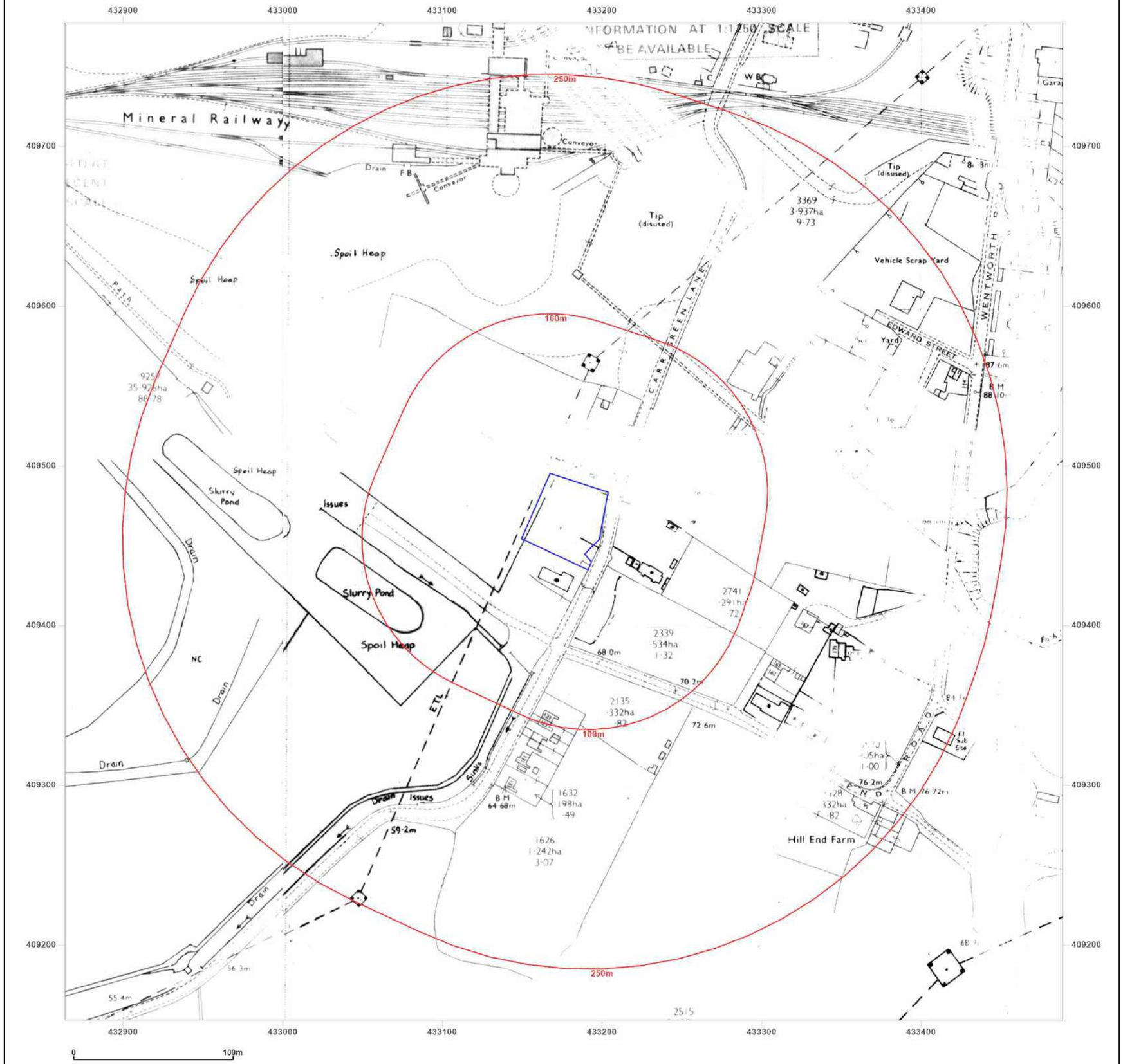

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6DY

Client Ref: C775
Report Ref: GS-KYE-GIG-M4D-Z4U
Grid Ref: 433176, 409465

Map Name: National Grid

Map date: **1984-1988**

Scale: 1:2,500

Printed at: 1:2,500

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Revised 1984	Revised N/A
Edition N/A	Edition N/A
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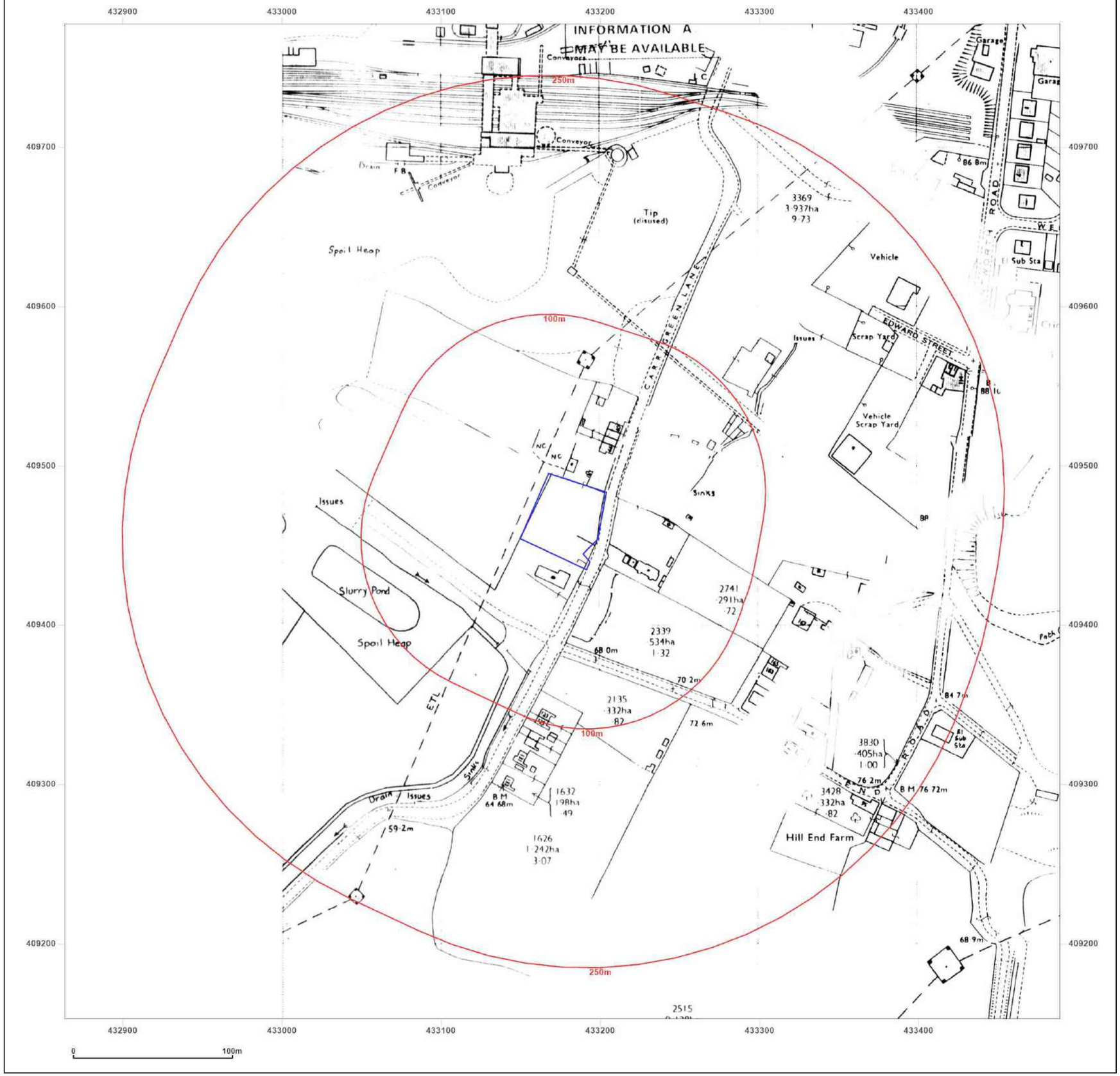

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6DY

Client Ref: C775
Report Ref: GS-KYE-GIG-M4D-Z4U
Grid Ref: 433176, 409465

Map Name: National Grid

Map date: **1988**

Scale: 1:2,500

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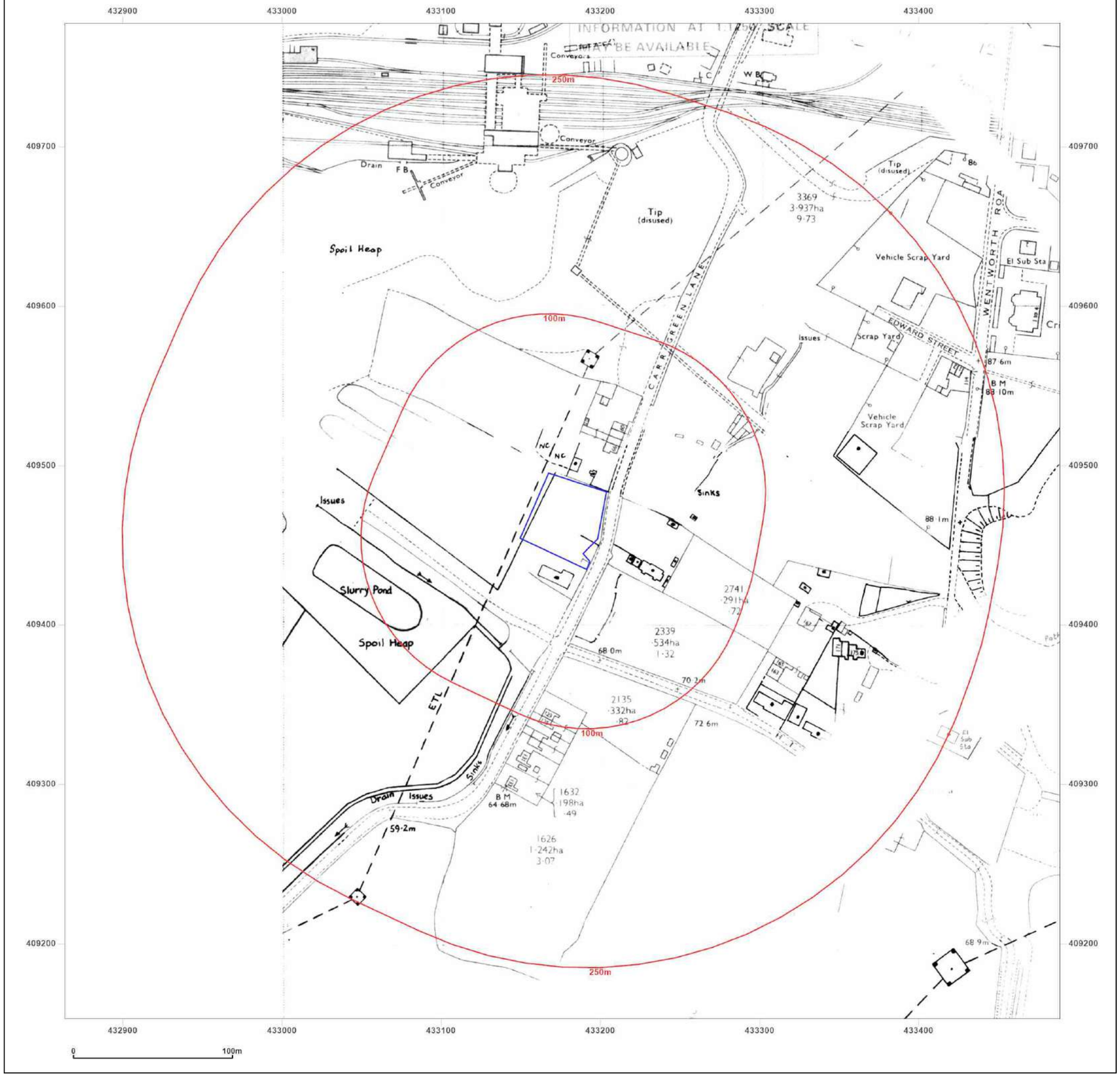

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6DY

Client Ref: C775
Report Ref: GS-KYE-GIG-M4D-Z4U
Grid Ref: 433176, 409465

Map Name: National Grid

Map date: **1989**

Scale: 1:2,500

Printed at: 1:2,500

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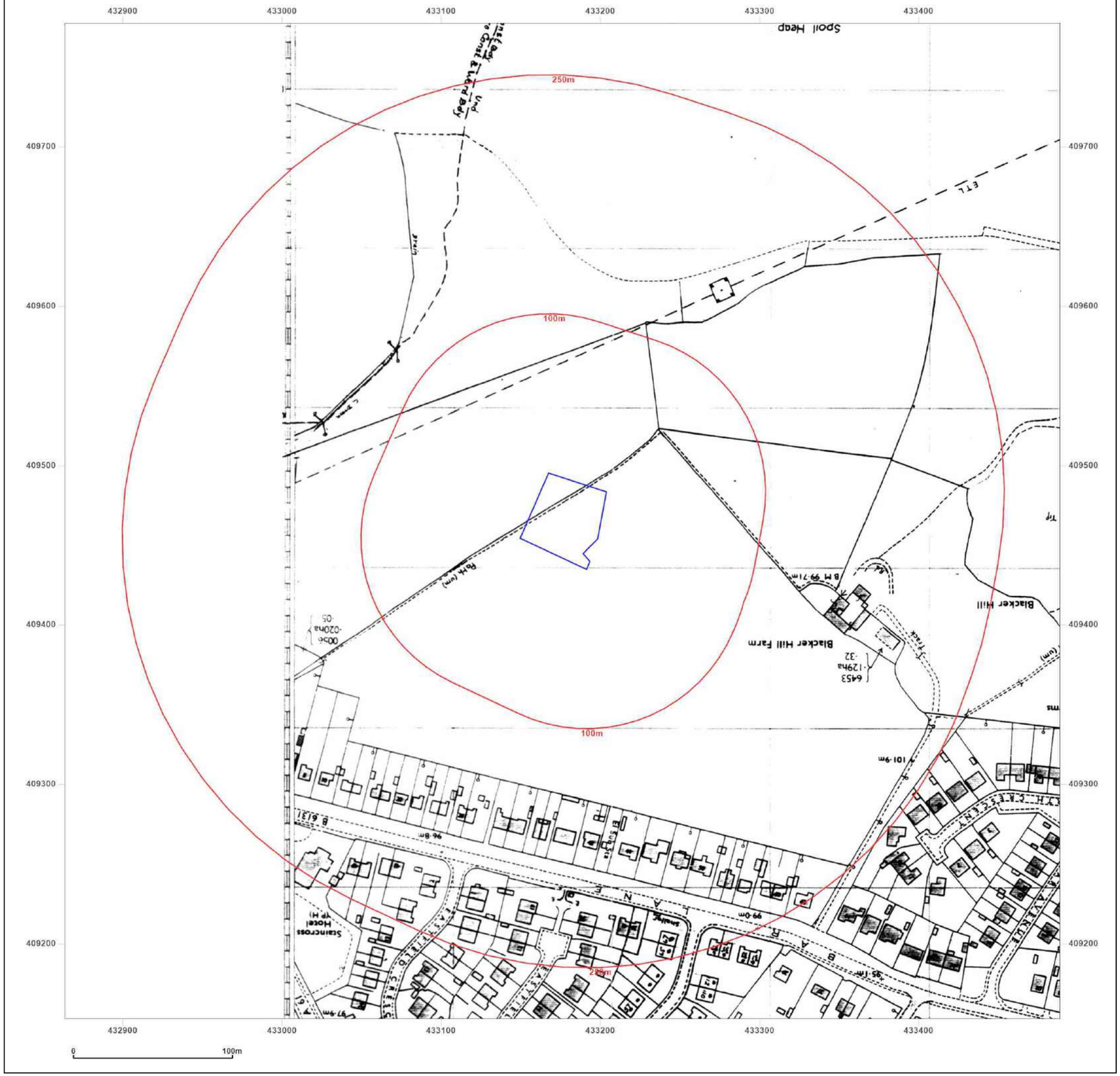

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6DY

Client Ref: C775
Report Ref: GS-KYE-GIG-M4D-Z4U
Grid Ref: 433176, 409465

Map Name: National Grid

Map date: **1989**

Scale: 1:2,500

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Client Ref: C775
Report Ref: GS-KYE-GIG-M4D-Z4U
Grid Ref: 433176, 409465

Map Name: National Grid
Map date: **1986-1991**
Scale: 1:1,250
Printed at: 1:2,000

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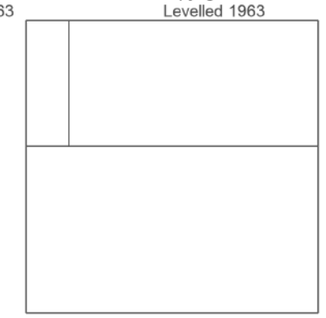
Revised 1991
Edition N/A
Copyright 1991
Levelled 1963

Surveyed 1963
Revised 1986
Edition N/A
Copyright 1986
Levelled 1963



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6DY

Client Ref: C775
Report Ref: GS-KYE-GIG-M4D-Z4U
Grid Ref: 433176, 409465

Map Name: National Grid
Map date: **1991-1993**
Scale: 1:1,250
Printed at: 1:2,000

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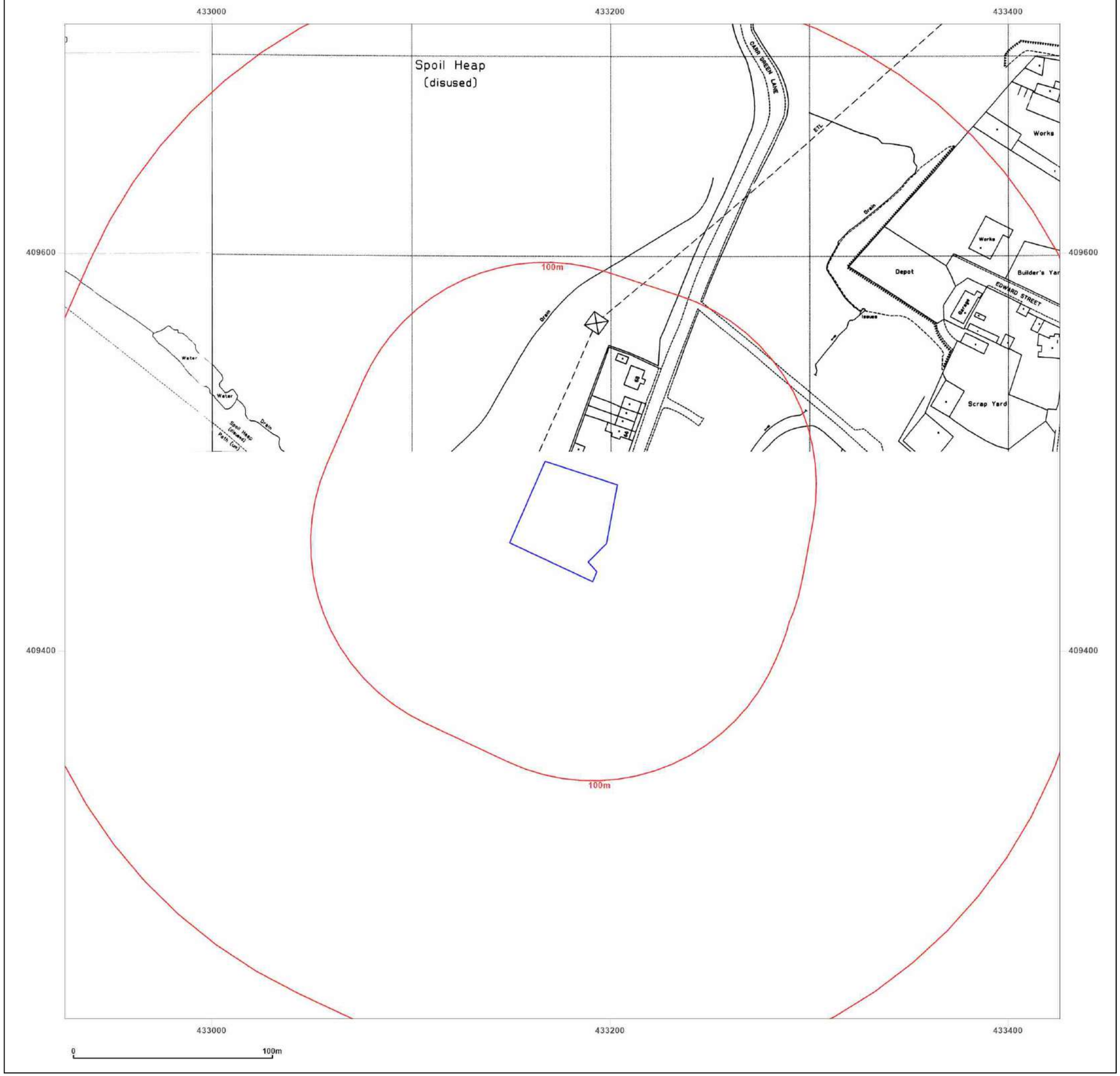

Groundsure INSIGHTS

Site Details:

68, CARR GREEN LANE,
MAPPLEWELL, BARNSLEY, S75 6DY

Client Ref: C775
Report Ref: GS-KYE-GIG-M4D-Z4U
Grid Ref: 433176, 409465

Map Name: National Grid
Map date: **1993**
Scale: 1:1,250
Printed at: 1:2,000

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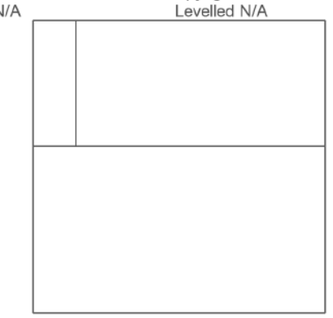
Surveyed N/A
Revised N/A
Edition N/A
Copyright 1993
Levelled N/A

Surveyed N/A
Revised N/A
Edition N/A
Copyright 1993
Levelled N/A



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Groundsure INSIGHTS

Site Details:

68, CARR GREEN LANE,
MAPPLEWELL, BARNSLEY, S75 6DY

Client Ref: C775
Report Ref: GS-KYE-GIG-M4D-Z4U
Grid Ref: 433176, 409465

Map Name: National Grid
Map date: **1993**
Scale: 1:1,250
Printed at: 1:2,000

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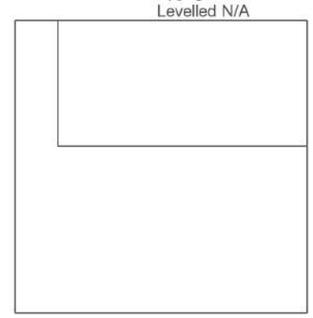
Surveyed N/A
Revised N/A
Edition N/A
Copyright 1993
Levelled N/A



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Site Details:

68, CARR GREEN LANE,
MAPPLEWELL, BARNSLEY, S75
6DY

Client Ref: C775
Report Ref: GS-KYE-GIG-M4D-Z4U
Grid Ref: 433176, 409465

Map Name: National Grid

Map date: **1993**

Scale: 1:1,250

Printed at: 1:2,000

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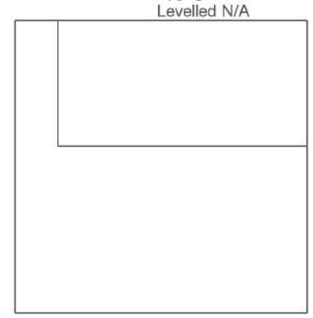
Surveyed N/A
Revised N/A
Edition N/A
Copyright 1993
Levelled N/A



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Site Details:

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MAPPLEWELL, BARNSLEY, S75 6DY

Client Ref: C775
Report Ref: GS-KYE-GIG-M4D-Z4U
Grid Ref: 433176, 409465

Map Name: National Grid

Map date: **1995**

Scale: 1:1,250

Printed at: 1:2,000

N
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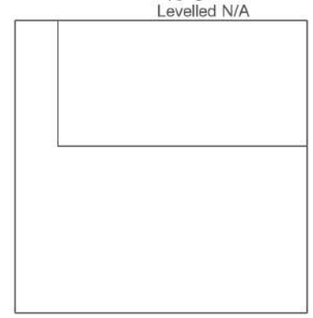
Surveyed 1995
Revised 1995
Edition N/A
Copyright 1995
Levelled N/A



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Site Details:

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MAPPLEWELL, BARNSLEY, S75 6DY

Client Ref: C775
Report Ref: GS-KYE-GIG-M4D-Z4U
Grid Ref: 433176, 409465

Map Name: National Grid
Map date: **1995**
Scale: 1:1,250
Printed at: 1:2,000

N
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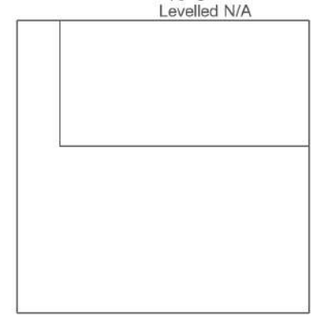
Surveyed N/A
Revised N/A
Edition N/A
Copyright 1995
Levelled N/A



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Site Details:

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Client Ref: C775
Report Ref: GS-KYE-GIG-M4D-Z4U
Grid Ref: 433176, 409465

Map Name: LandLine
Map date: **2003**
Scale: 1:1,250
Printed at: 1:1,250

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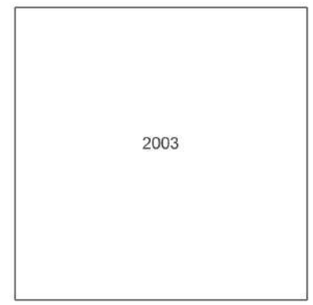

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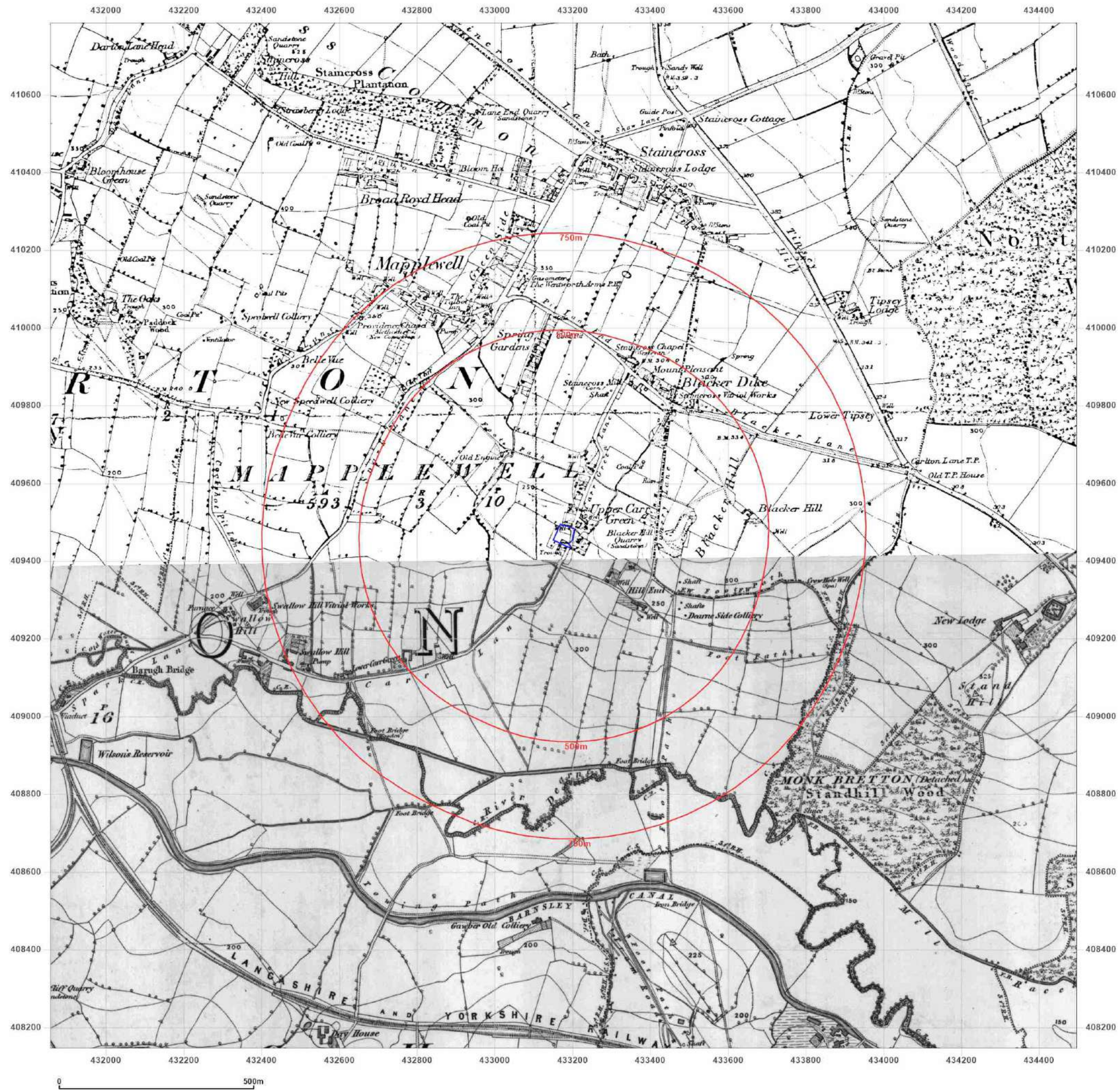

Site Details:

68, CARR GREEN LANE,
MAPPLEWELL, BARNSLEY, S75
6DY

Client Ref: C775
Report Ref: GS-KYE-GIG-M4D-Z4U
Grid Ref: 433176, 409465

Map Name: County Series

Map date: **1854-1855**

Scale: 1:10,560

Printed at: 1:10,560

N
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Surveyed 1851
Revised N/A
Edition 1854
Copyright N/A
Levelled 1854

Surveyed 1851
Revised N/A
Edition 1855
Copyright N/A
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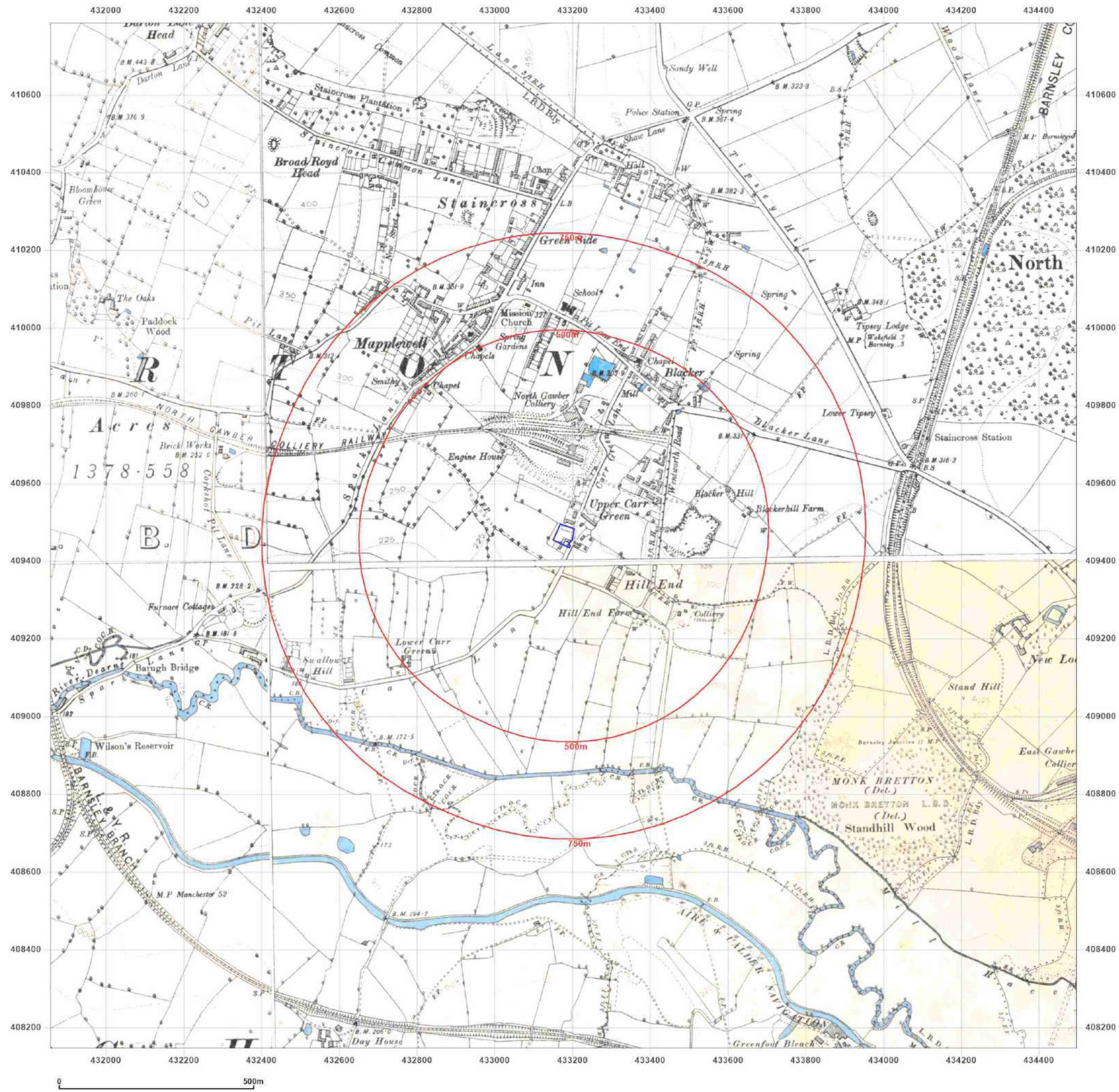

Site Details:

68, CARR GREEN LANE, MAPPLEWELL, BARNSLEY, S75 6DY

Client Ref: C775
Report Ref: GS-KYE-GIG-M4D-Z4U
Grid Ref: 433176, 409465

Map Name: County Series

Map date: **1890-1891**

Scale: 1:10,560

Printed at: 1:10,560

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Surveyed 1891
Revised 1891
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1891
Revised 1891
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1891
Revised 1891
Edition N/A
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Revised 1890
Edition N/A
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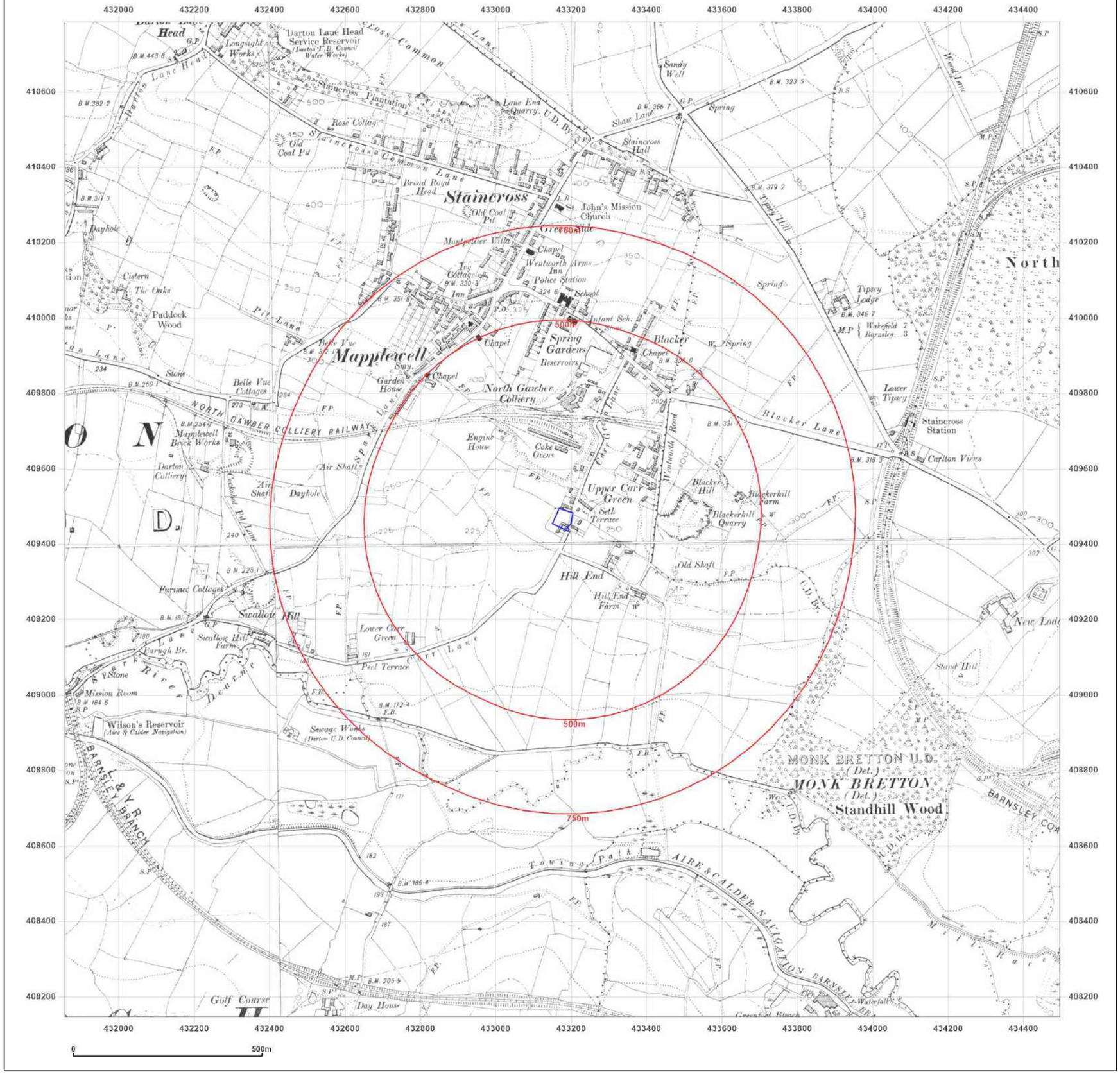

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Site Details:

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6DY

Client Ref: C775
Report Ref: GS-KYE-GIG-M4D-Z4U
Grid Ref: 433176, 409465

Map Name: County Series

Map date: **1904**

Scale: 1:10,560

Printed at: 1:10,560

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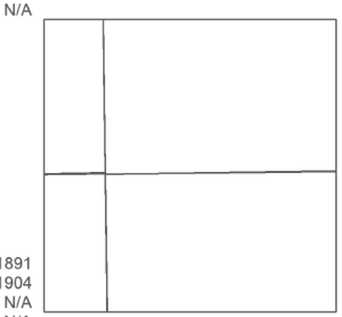
Surveyed 1891
Revised 1904
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1891
Revised 1904
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1891
Revised 1904
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1891
Revised 1904
Edition N/A
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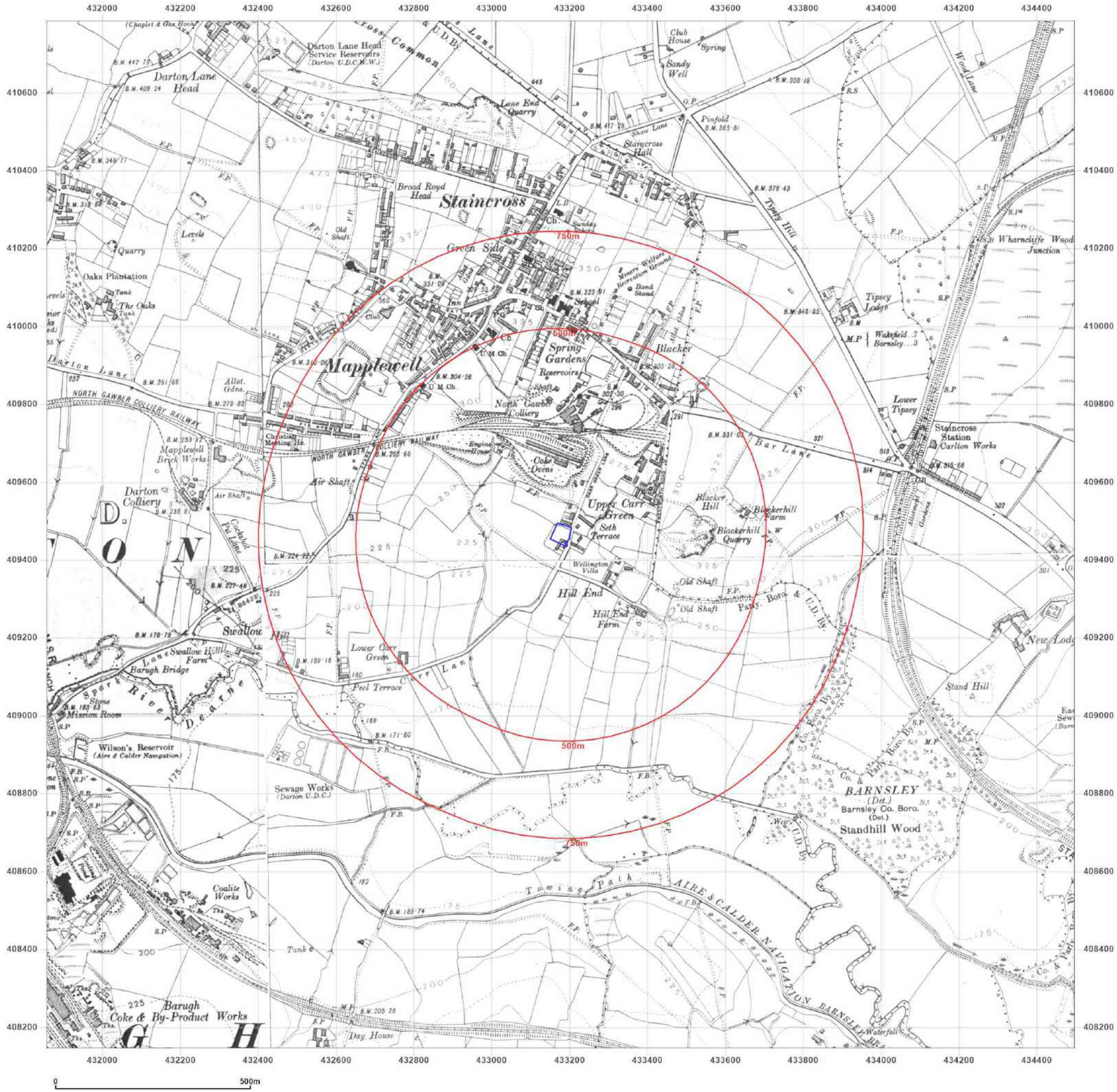

Site Details:

68, CARR GREEN LANE,
MAPPLEWELL, BARNSLEY, S75
6DY

Client Ref: C775
Report Ref: GS-KYE-GIG-M4D-Z4U
Grid Ref: 433176, 409465

Map Name: County Series

Map date: **1929-1930**

Scale: 1:10,560

Printed at: 1:10,560

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Surveyed 1851
Revised 1930
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1851
Revised 1930
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1851
Revised 1929
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1851
Revised 1929
Edition N/A
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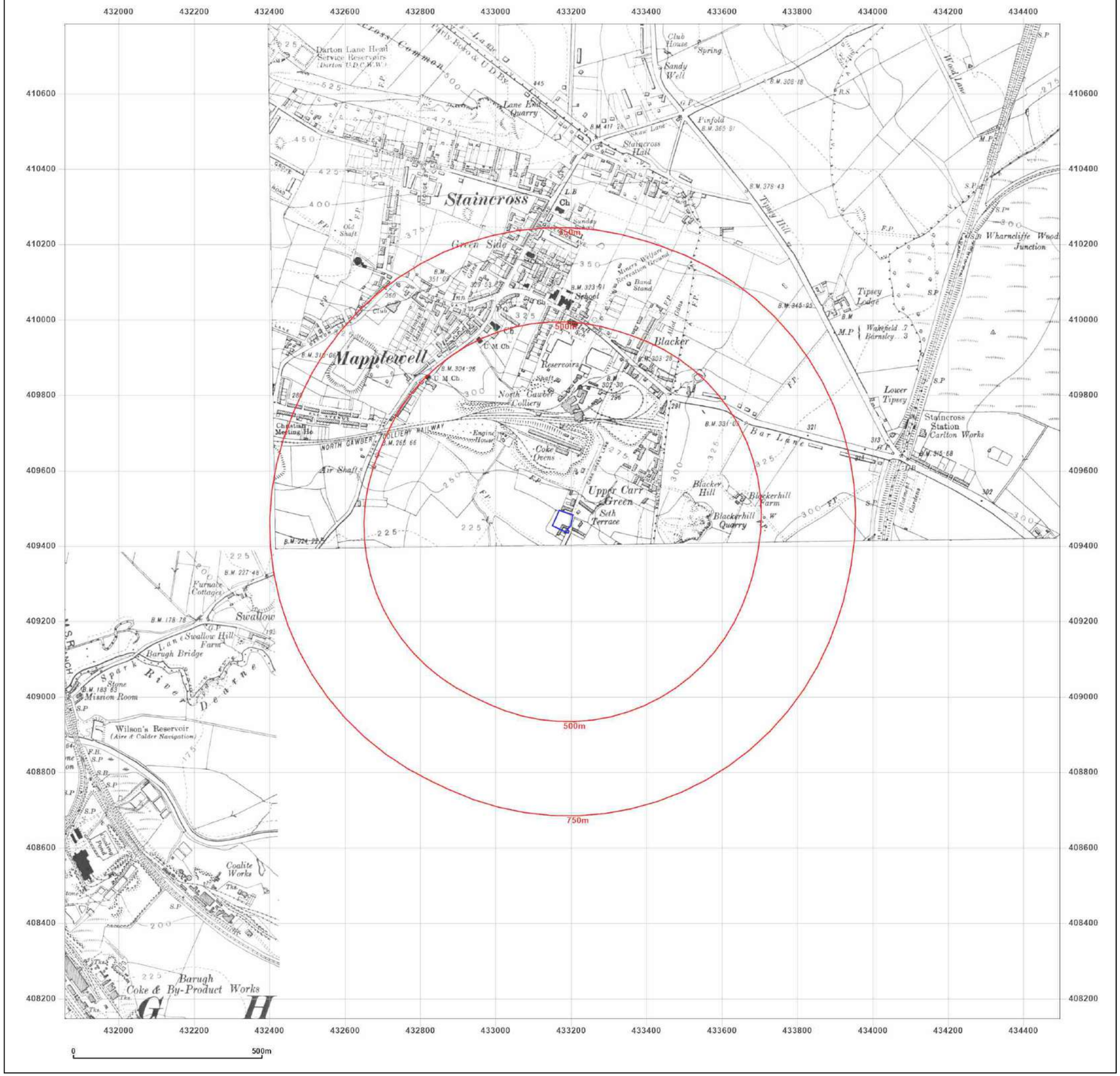

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Site Details:

68, CARR GREEN LANE,
MAPPLEWELL, BARNSLEY, S75
6DY

Client Ref: C775
Report Ref: GS-KYE-GIG-M4D-Z4U
Grid Ref: 433176, 409465

Map Name: County Series

Map date: **1929-1930**

Scale: 1:10,560

Printed at: 1:10,560

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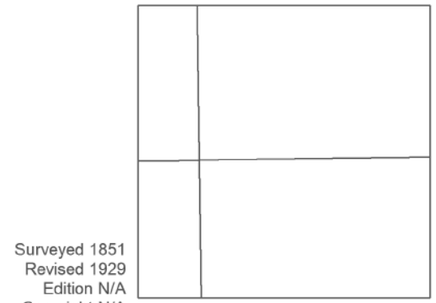
Surveyed 1851
Revised 1930
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1851
Revised 1929
Edition N/A
Copyright N/A
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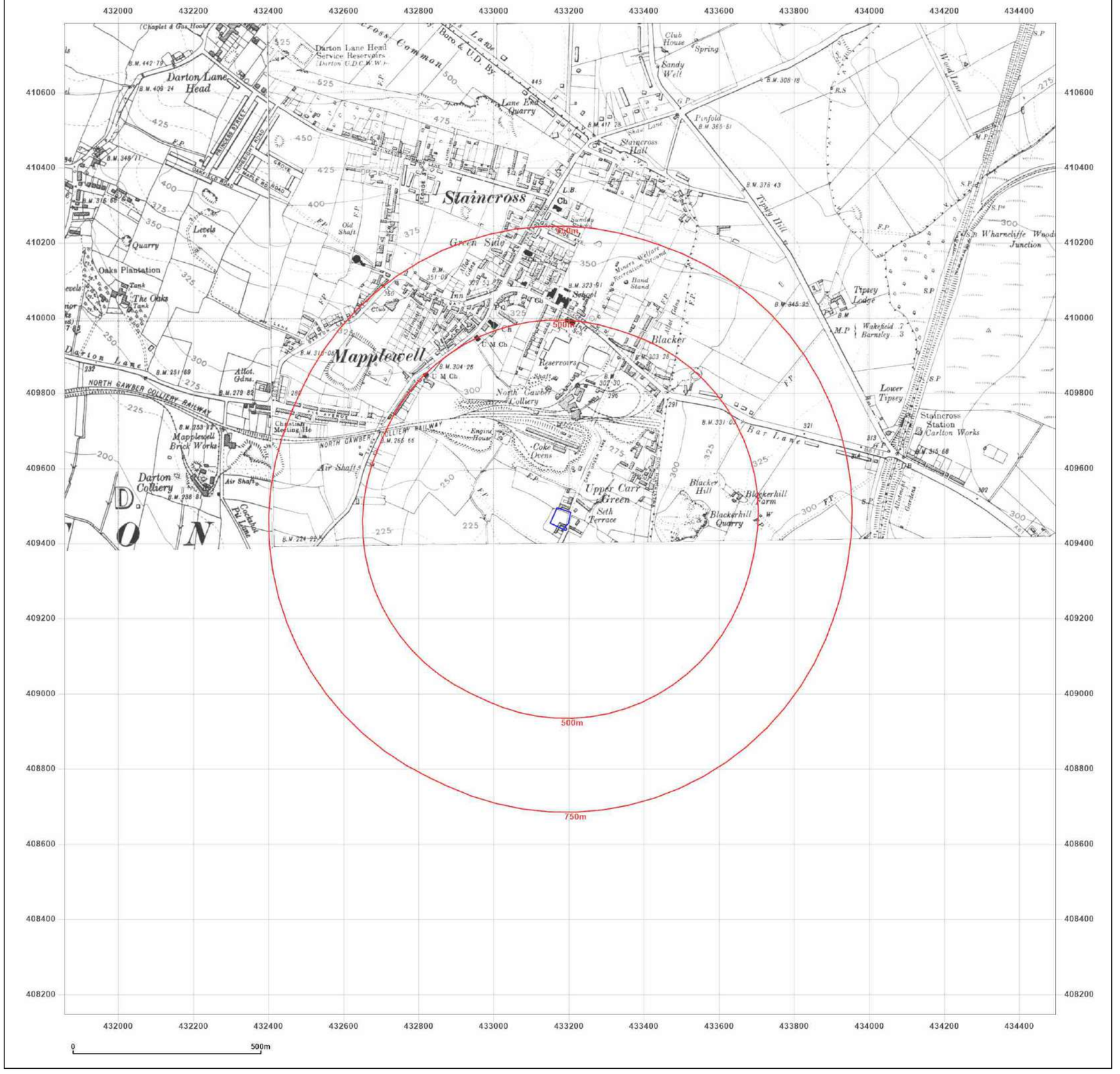

Site Details:

68, CARR GREEN LANE,
MAPPLEWELL, BARNSLEY, S75
6DY

Client Ref: C775
Report Ref: GS-KYE-GIG-M4D-Z4U
Grid Ref: 433176, 409465

Map Name: County Series

Map date: **1938**

Scale: 1:10,560

Printed at: 1:10,560

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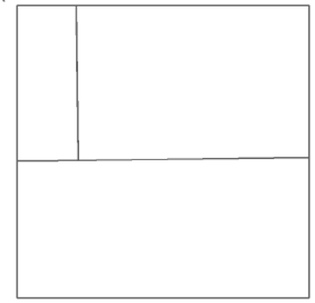
Surveyed 1851
Revised 1938
Edition 1938
Copyright N/A
Levelled N/A



Surveyed 1851
Revised 1938
Edition 1938
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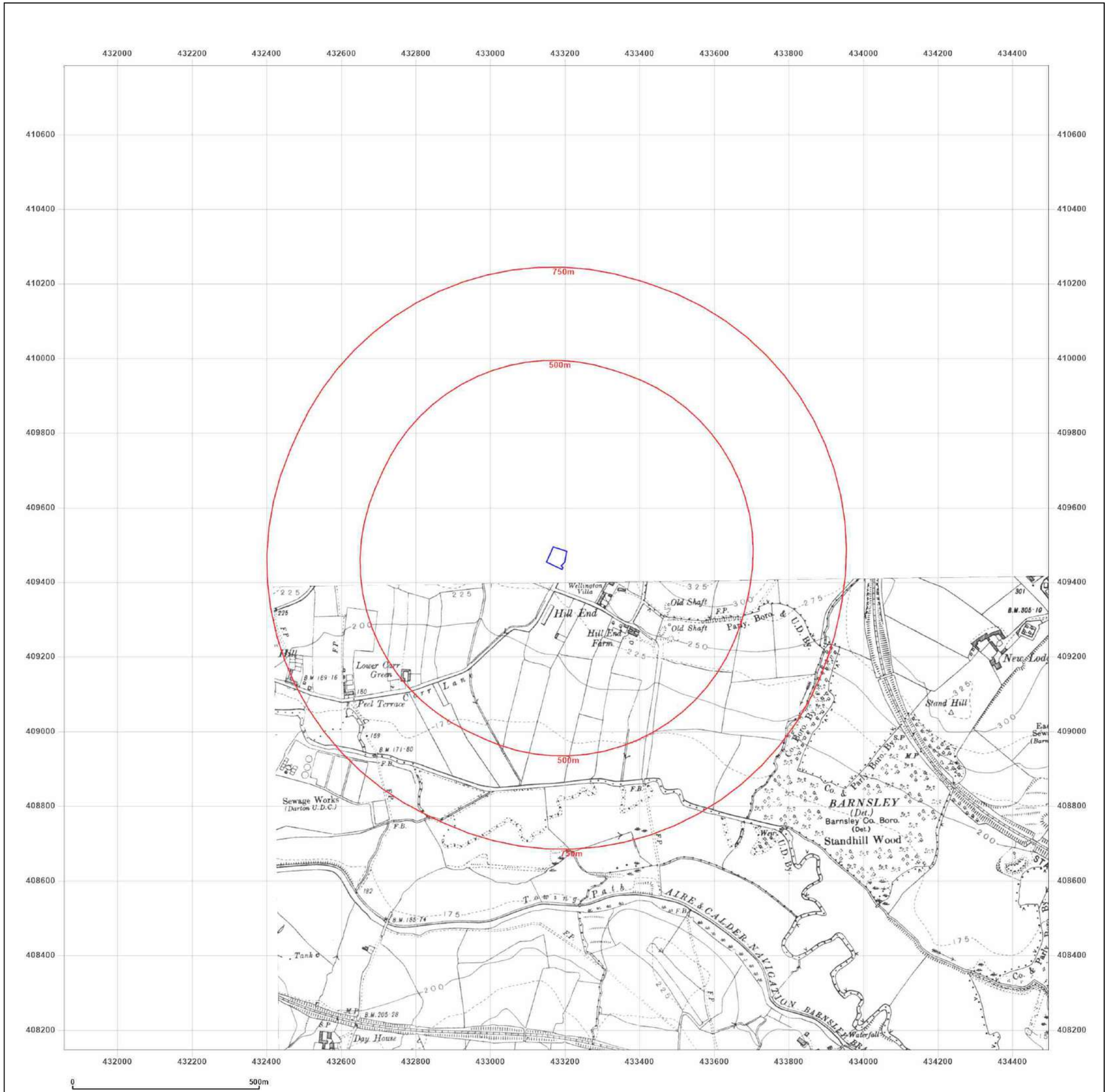

Groundsure INSIGHTS

Site Details:

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MAPPLEWELL, BARNSLEY, S75 6DY

Client Ref: C775
Report Ref: GS-KYE-GIG-M4D-Z4U
Grid Ref: 433176, 409465

Map Name: County Series

Map date: **1938**

Scale: 1:10,560

Printed at: 1:10,560

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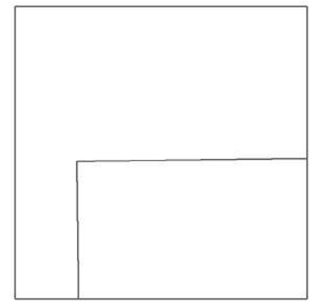

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Revised 1938
Edition 1938
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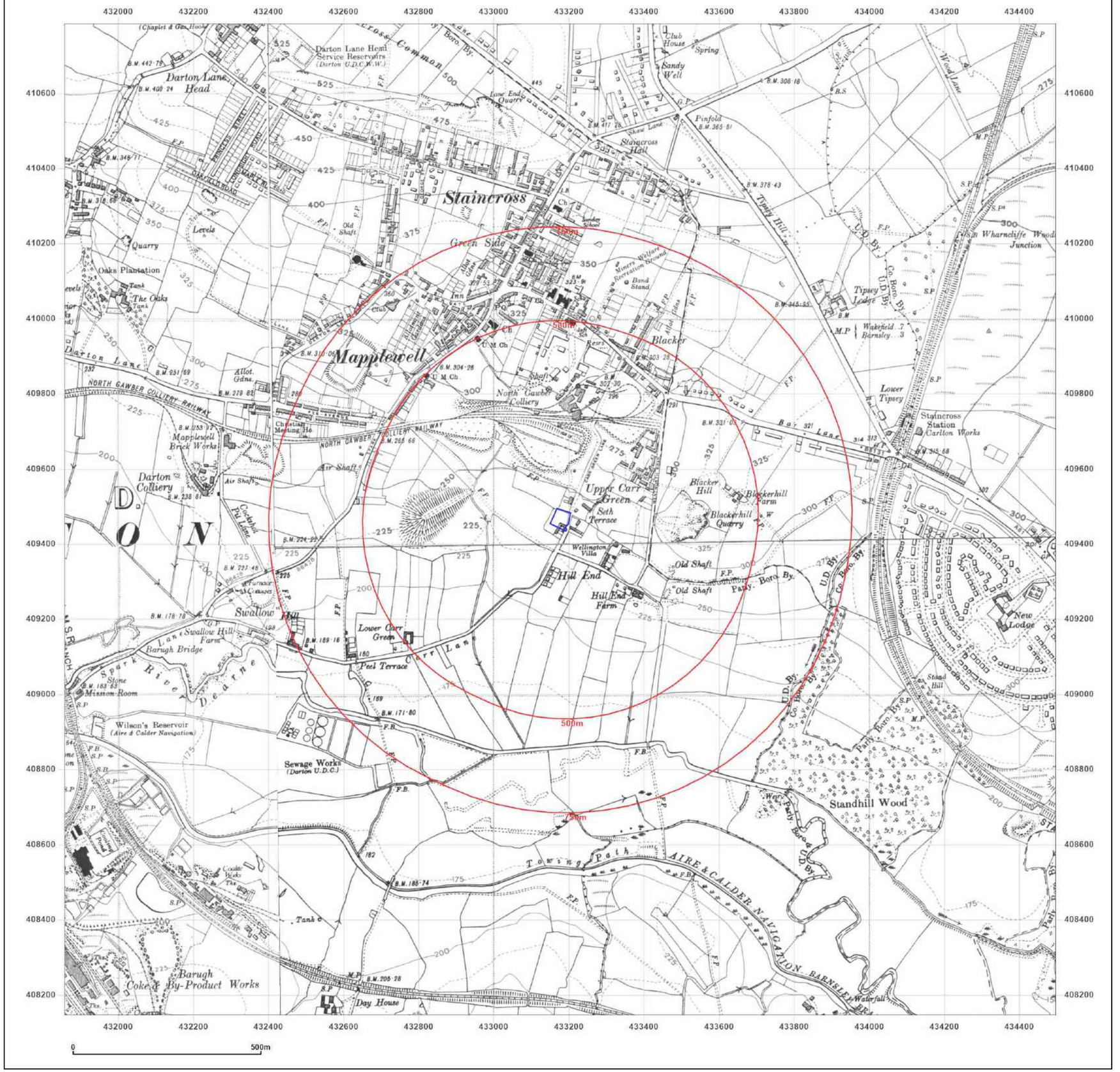

Groundsure INSIGHTS

Site Details:

68, CARR GREEN LANE,
MAPPLEWELL, BARNSLEY, S75 6DY

Client Ref: C775
Report Ref: GS-KYE-GIG-M4D-Z4U
Grid Ref: 433176, 409465

Map Name: County Series

Map date: **1948**

Scale: 1:10,560

Printed at: 1:10,560

N
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Surveyed 1851
Revised 1948
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1851
Revised 1948
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1851
Revised 1948
Edition 1948
Copyright N/A
Levelled N/A

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Revised 1948
Edition N/A
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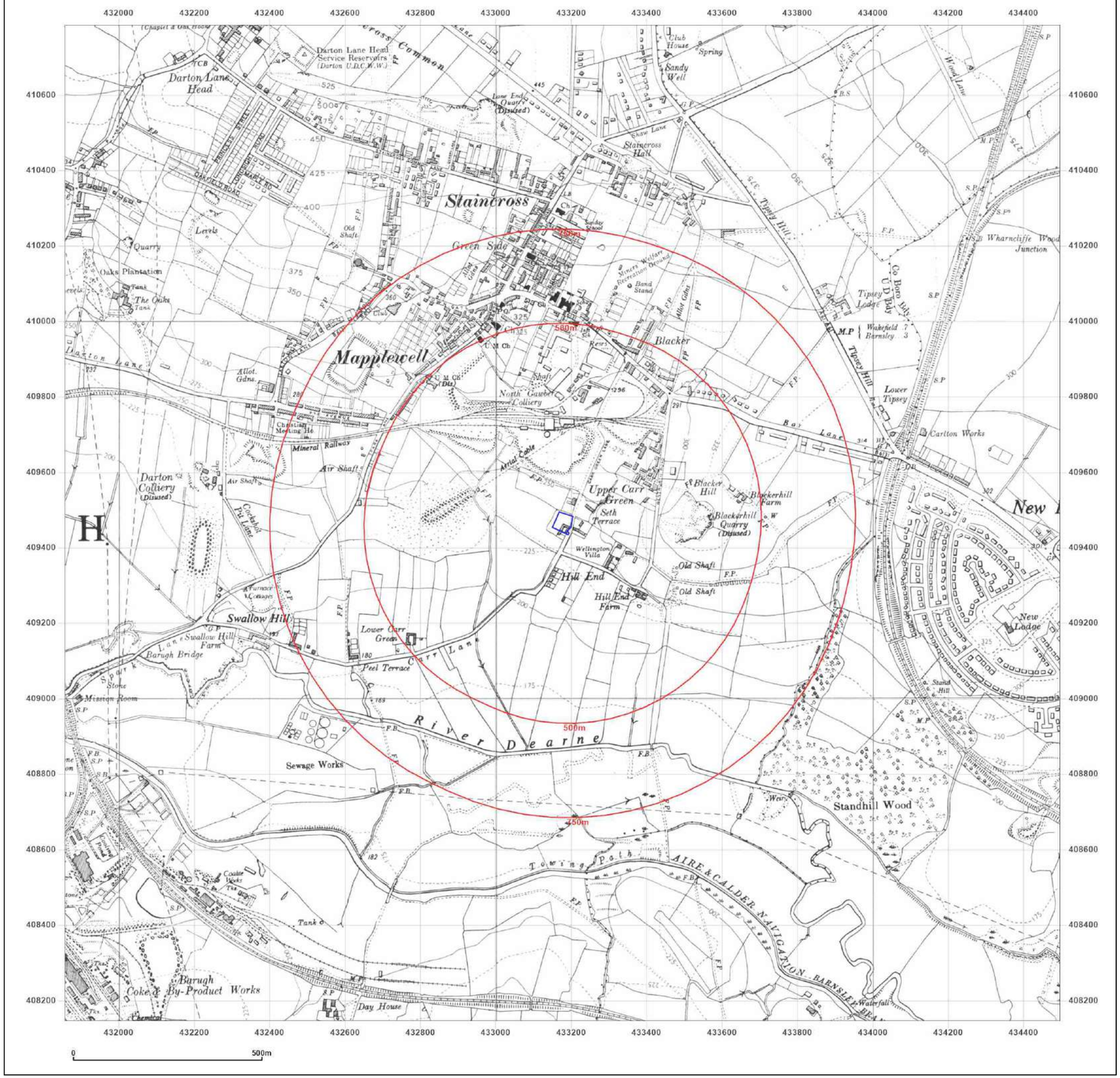

Groundsure INSIGHTS

Site Details:

68, CARR GREEN LANE,
MAPPLEWELL, BARNSLEY, S75 6DY

Client Ref: C775
Report Ref: GS-KYE-GIG-M4D-Z4U
Grid Ref: 433176, 409465

Map Name: Provisional
Map date: **1951-1956**
Scale: 1:10,560
Printed at: 1:10,560

N
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Surveyed 1951
Revised 1951
Edition N/A
Copyright N/A
Levelled N/A

Surveyed N/A
Revised 1955
Edition N/A
Copyright 1956
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Site Details:

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6DY

Client Ref: C775
Report Ref: GS-KYE-GIG-M4D-Z4U
Grid Ref: 433176, 409465

Map Name: Provisional
Map date: **1965-1966**
Scale: 1:10,560
Printed at: 1:10,560

N
W E
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Surveyed 1965
Revised 1965
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1966
Revised 1966
Edition N/A
Copyright N/A
Levelled N/A

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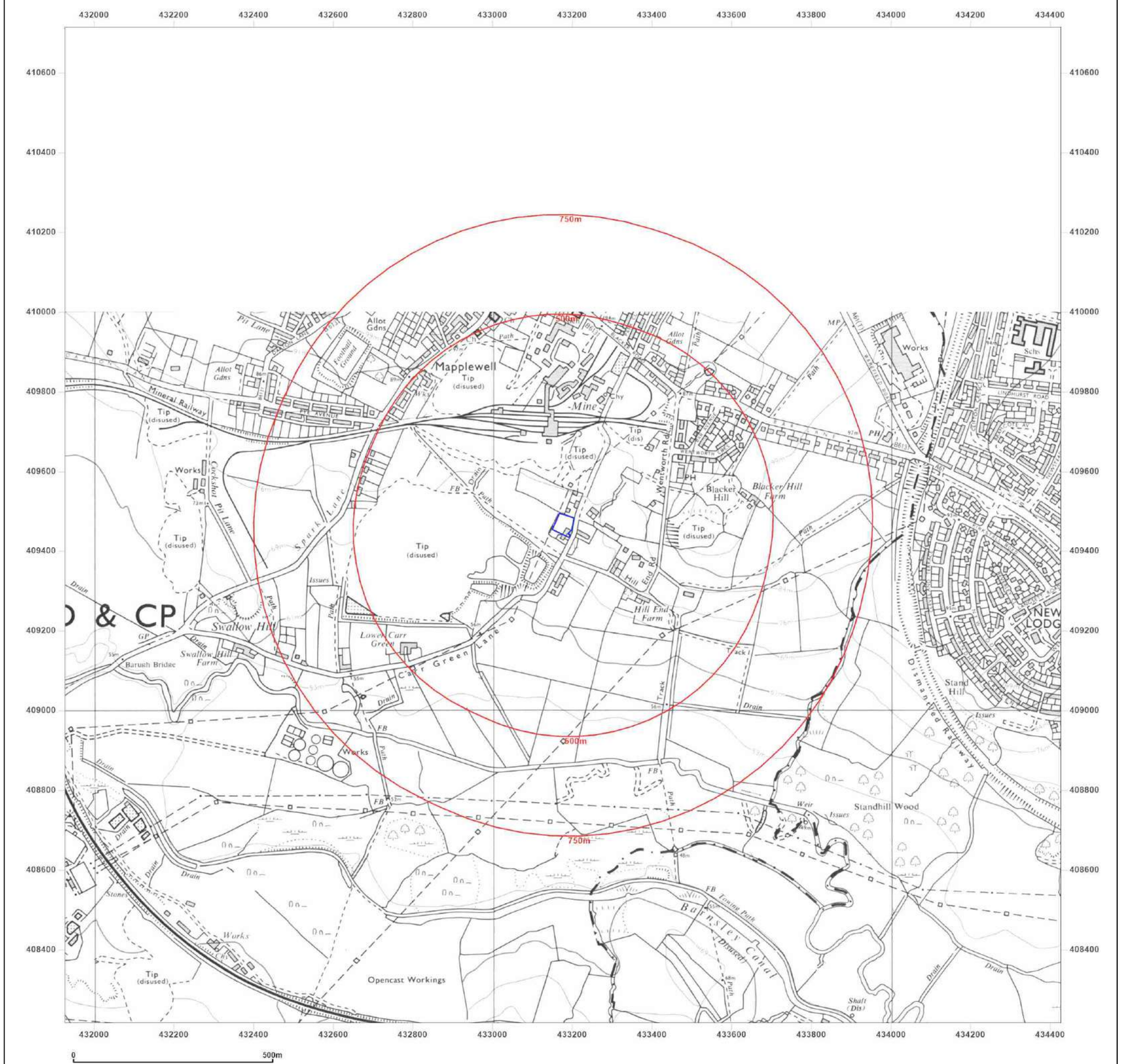

Groundsure INSIGHTS

Site Details:

68, CARR GREEN LANE,
MAPPLEWELL, BARNSLEY, S75 6DY

Client Ref: C775
Report Ref: GS-KYE-GIG-M4D-Z4U
Grid Ref: 433176, 409465

Map Name: National Grid

Map date: **1973**

Scale: 1:10,000

Printed at: 1:10,000

N
W E
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Surveyed 1973
Revised 1973
Edition N/A
Copyright N/A
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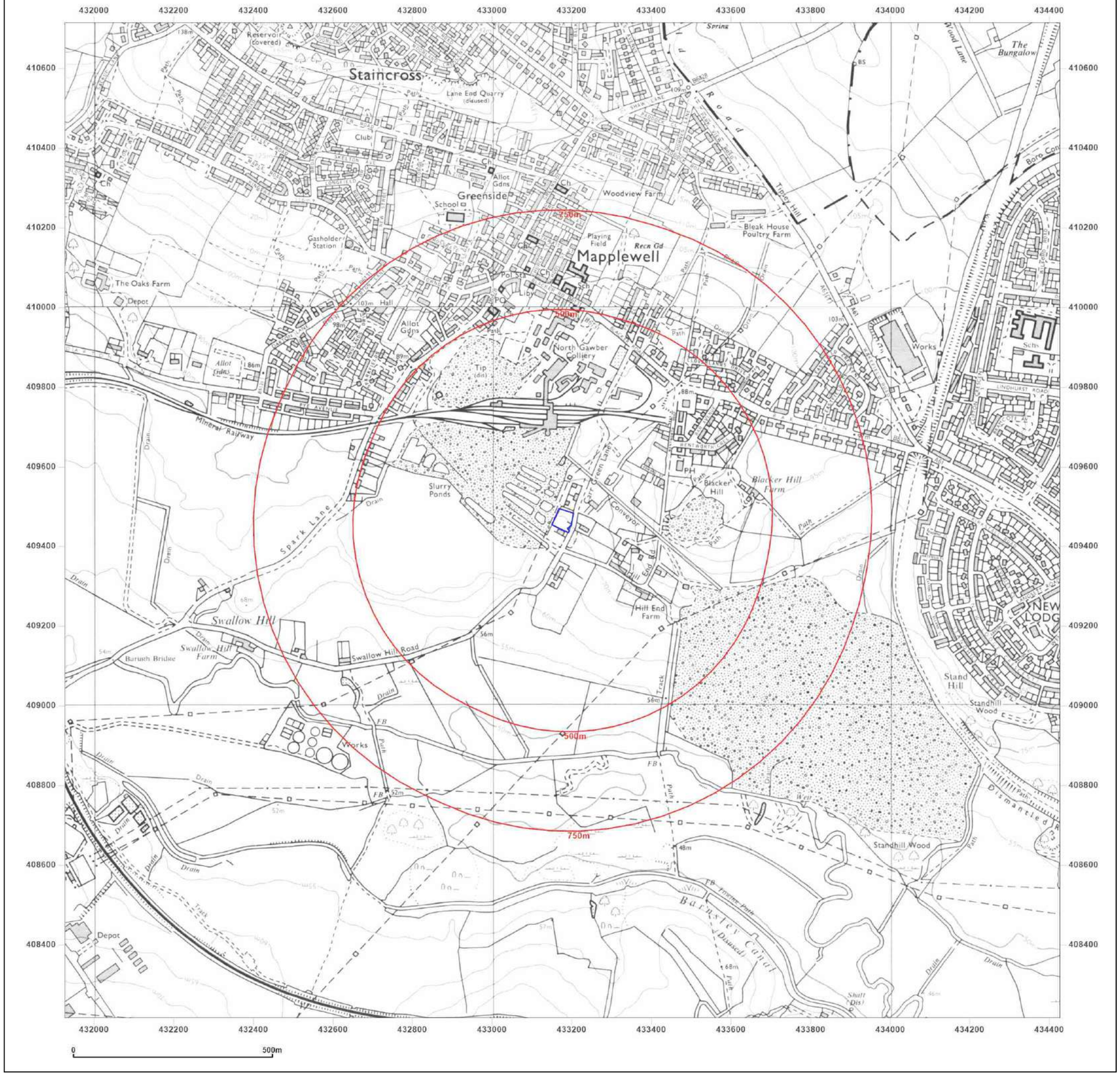

Groundsure INSIGHTS

Site Details:

68, CARR GREEN LANE,
MAPPLEWELL, BARNSLEY, S75 6DY

Client Ref: C775
Report Ref: GS-KYE-GIG-M4D-Z4U
Grid Ref: 433176, 409465

Map Name: National Grid

Map date: **1978-1982**

Scale: 1:10,000

Printed at: 1:10,000

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Surveyed 1977
Revised 1978
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1982
Revised 1982
Edition N/A
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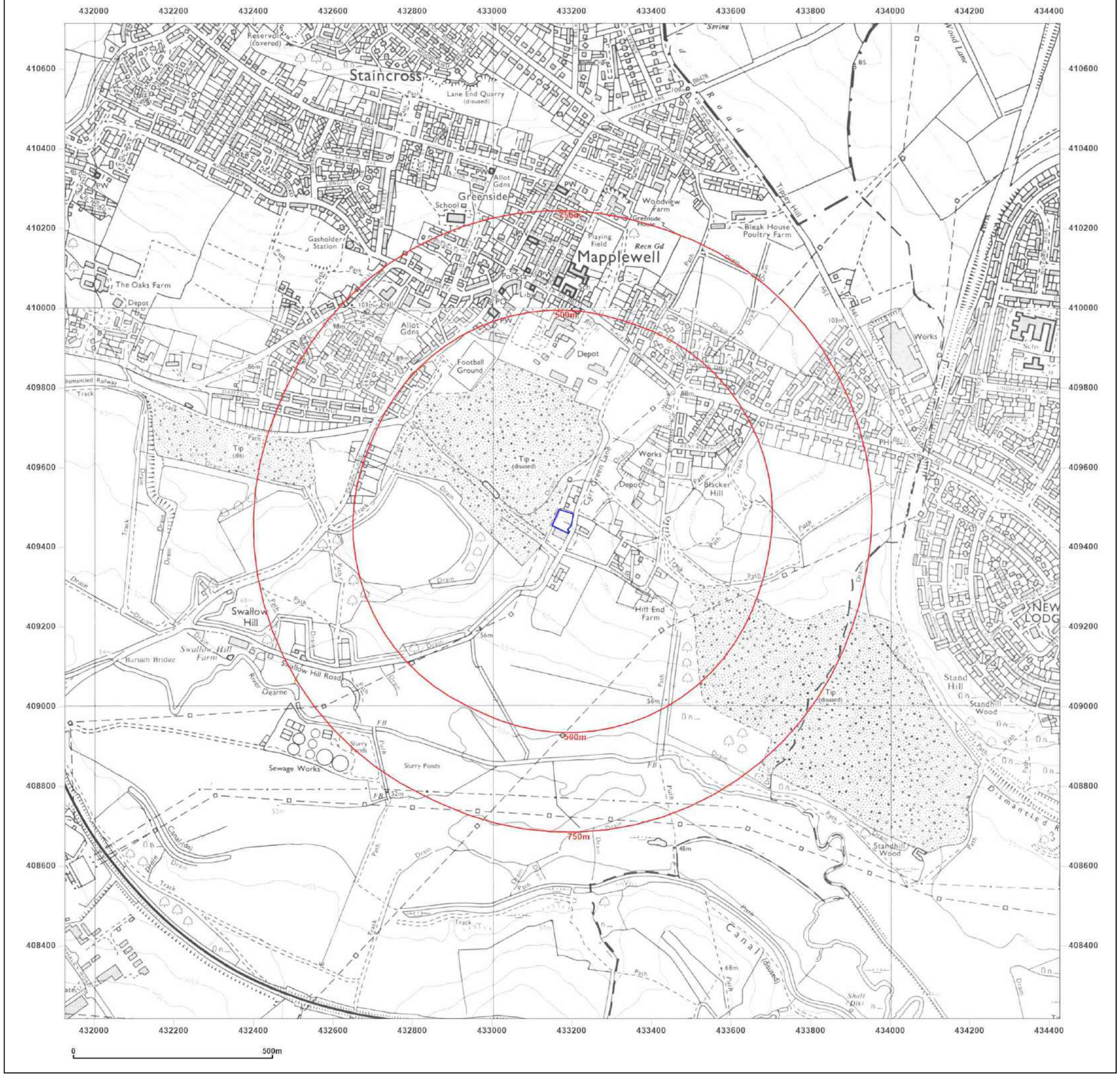

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Site Details:

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MAPPLEWELL, BARNSLEY, S75 6DY

Client Ref: C775
Report Ref: GS-KYE-GIG-M4D-Z4U
Grid Ref: 433176, 409465

Map Name: National Grid

Map date: **1990-1993**

Scale: 1:10,000

Printed at: 1:10,000

N
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Surveyed 1983
Revised 1990
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1992
Revised 1993
Edition N/A
Copyright N/A
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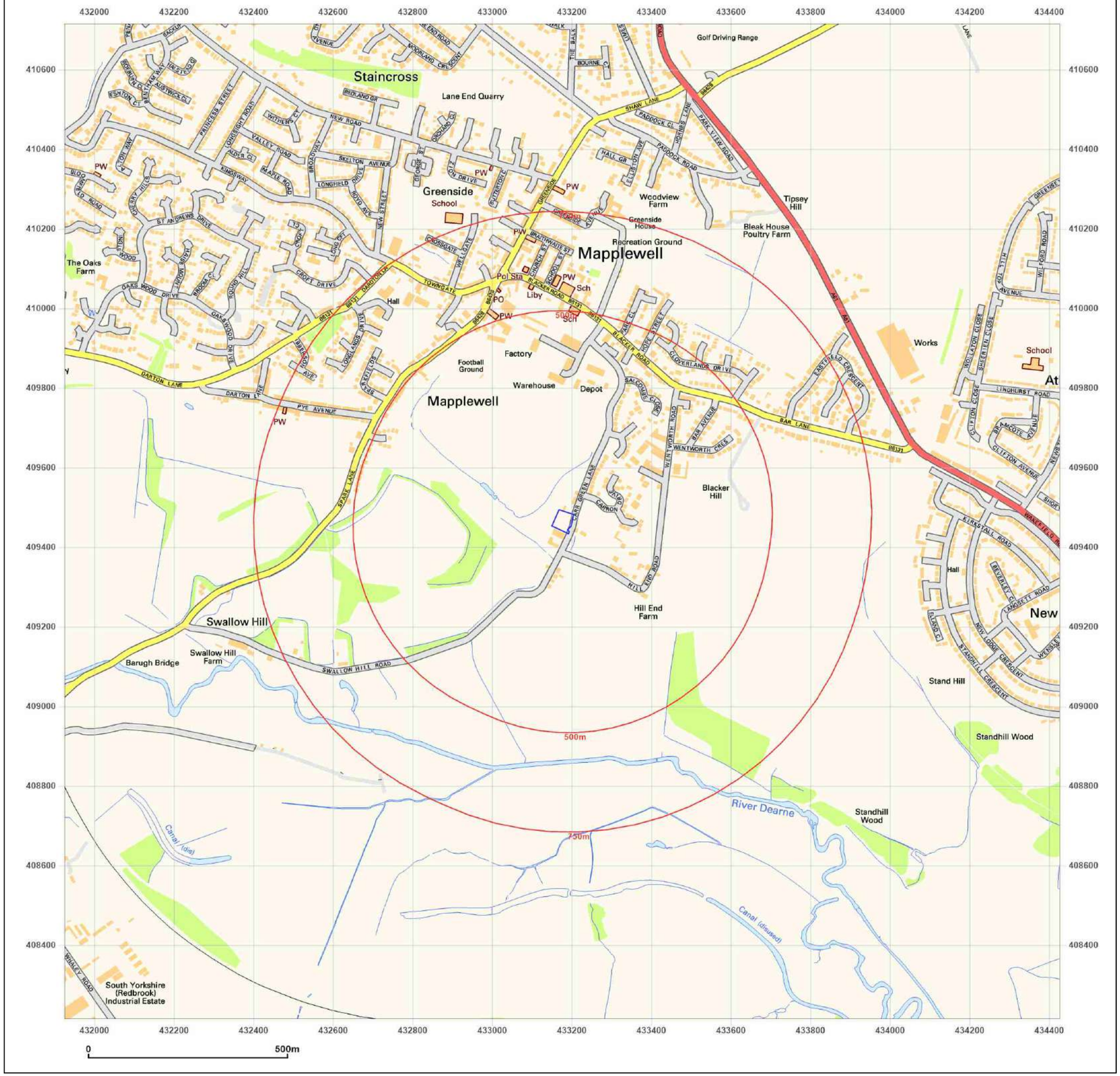

Site Details:

68, CARR GREEN LANE,
MAPPLEWELL, BARNSLEY, S75
6DY

Client Ref: C775
Report Ref: GS-KYE-GIG-M4D-Z4U
Grid Ref: 433176, 409465

Map Name: National Grid

Map date: **2001**

Scale: 1:10,000

Printed at: 1:10,000

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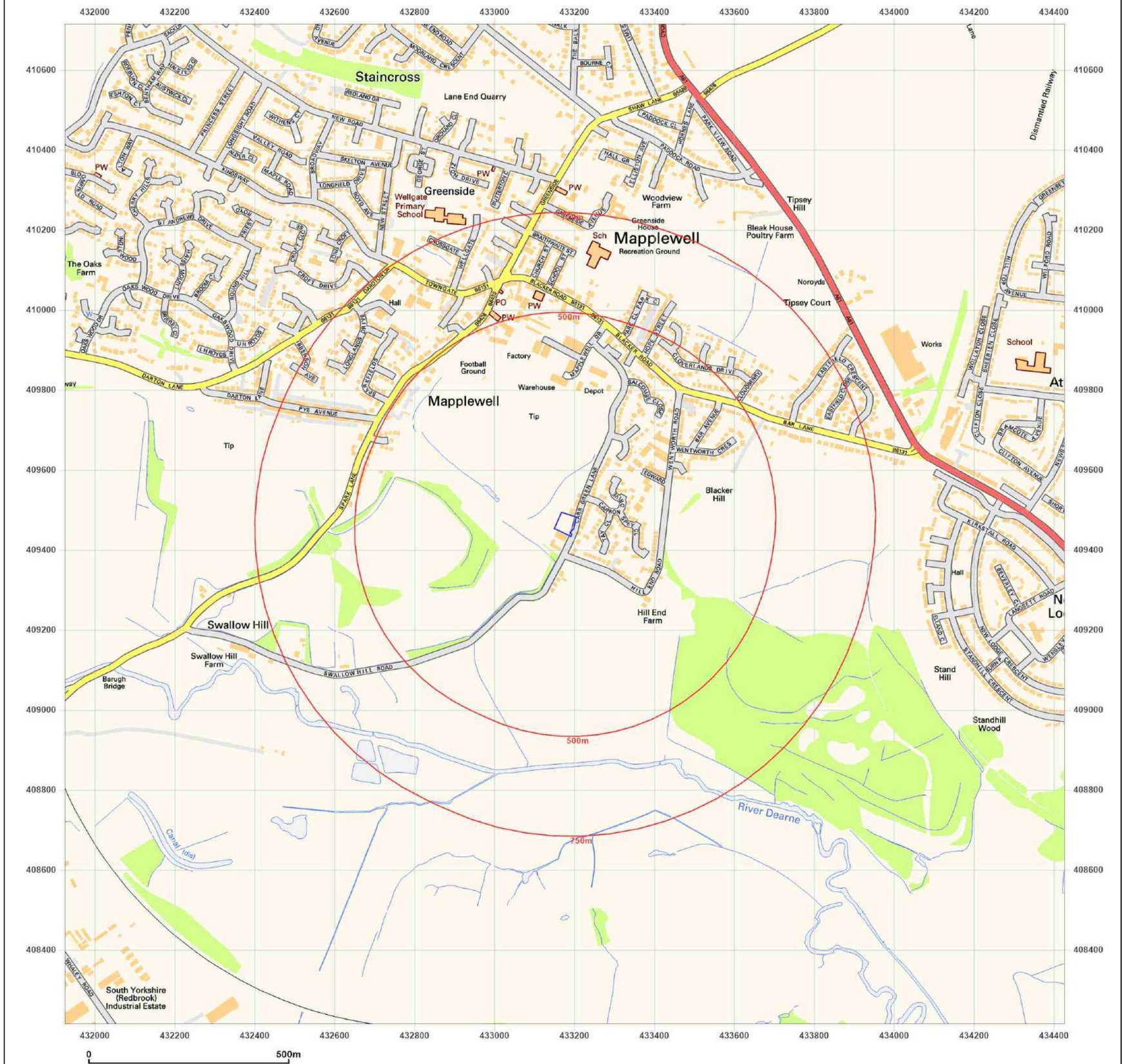

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Site Details:

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6DY

Client Ref: C775
Report Ref: GS-KYE-GIG-M4D-Z4U
Grid Ref: 433176, 409465

Map Name: National Grid
Map date: **2010**
Scale: 1:10,000
Printed at: 1:10,000

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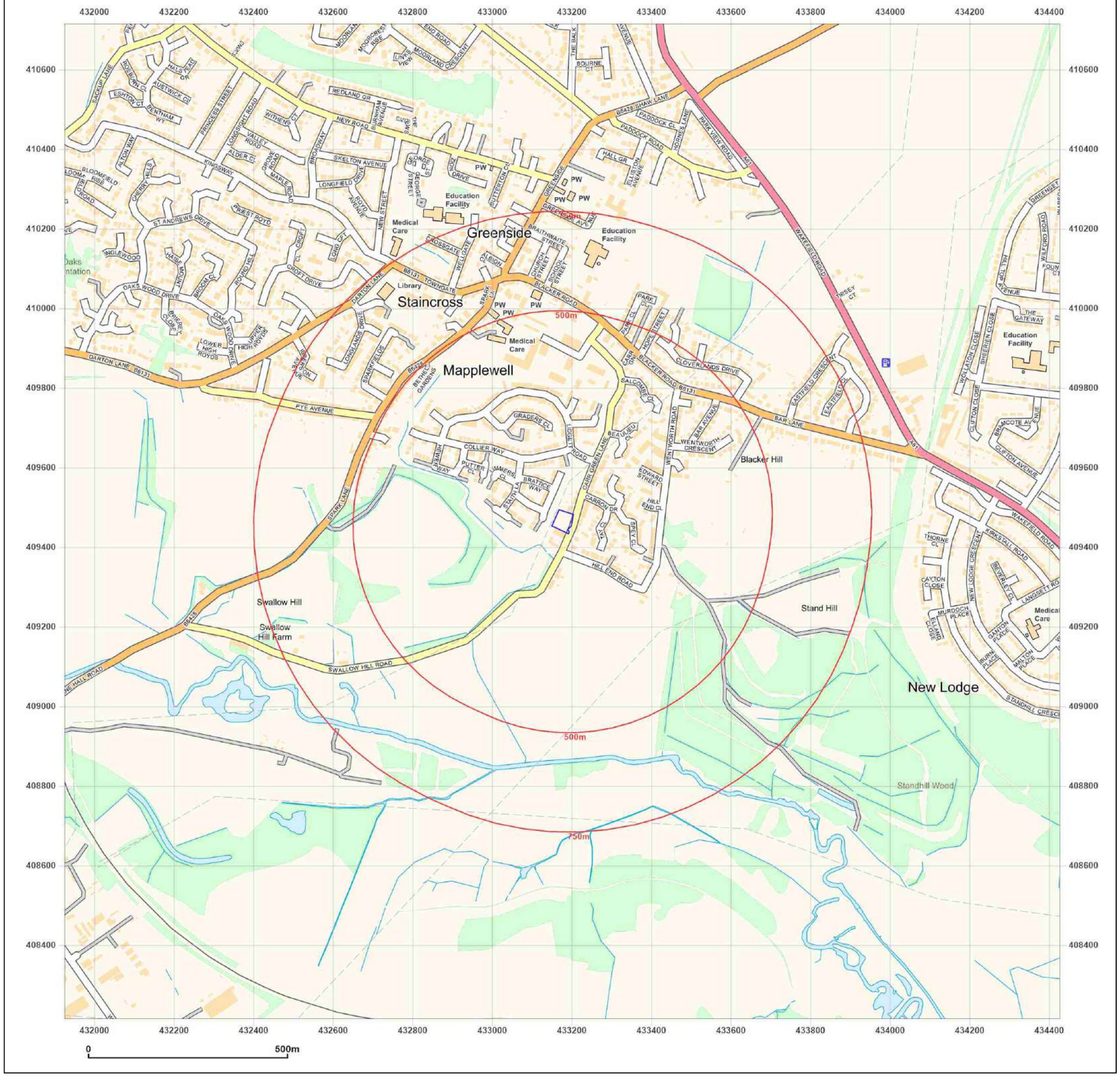

Groundsure INSIGHTS

Site Details:

68, CARR GREEN LANE,
MAPPLEWELL, BARNSLEY, S75
6DY

Client Ref: C775
Report Ref: GS-KYE-GIG-M4D-Z4U
Grid Ref: 433176, 409465

Map Name: National Grid
Map date: **2025**
Scale: 1:10,000
Printed at: 1:10,000

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APPENDIX C

PHOTOGRAPHS

Project Number: C775	**Project Name: Carr Green Lane, Mapplewell**
Client:	**Document Name:** Site Walkover Photographs: Photo 1 – View of site access along eastern boundary. Photo 2 –View of storage container on south west of site.

G&M CONSULTING

Project Number: C775	**Project Name:** Carr Green Lane, Mapplewell
Client:	**Document Name:** Site Walkover Photographs: Photo 3 –View of unknown machinery, Photo 4 – view towards back of site along western boundary.

APPENDIX D

DEFINITIONS AND
CLASSIFICATIONS OF RISK
ASSESSMENT
TERMINOLOGY

Definitions and Classifications of Risk Assessment Terminology.

Probability

Probability can be defined as the chance of a particular event occurring in a given period of time.

Descriptions of each of the four qualitative terms to be use in this report to describe the perceived probability of any identified pollutant linkage becoming realised are shown below in Table W.

Term	Description
High Likelihood	There is pollutant linkage and an event would appear very likely in the short-term and almost inevitable over the long-term, or there is evidence at the receptor of harm or pollution.
Likely	There is pollutant linkage and all the elements are present and in the right place which means that it is probable that an event will occur. Circumstances are such that an event is not inevitable, but possible in the short-term and likely over the long-term.
Low Likelihood	There is pollutant linkage and circumstances are possible under which an event could occur. However, it is by no means certain that even over a long period such an event would take place, and is less likely in the shorter term.
Unlikely	There is pollutant linkage but circumstances are such that it is improbable that an event would occur even in the very long-term.

Table W. Description of Probability Classifications

Severity

Severity (consequence) can be defined as the adverse effects (or harm) arising from a defined hazard, which impairs the quality of human health or the environment in the short or longer term.

Descriptions of each of the four qualitative terms to be use in this report to describe the perceived potential severity of any identified pollutant linkage becoming realised are shown below in Table X.

Term	Description
Severe	Highly elevated concentrations **likely** to result in "significant harm" to human health as defined by the EPA 1990, Part 2A, if exposure occurs. Equivalent to **EA Category 1** pollution incident including persistent and/or extensive effects on water quality; leading to closure of a potable abstraction point; major impact on amenity value or major damage to agriculture or commerce. Major damage to aquatic or other ecosystems, which is likely to result in a substantial adverse change in its functioning or harm to a species of special interest that endangers the long-term maintenance of the population. Catastrophic damage to crops, buildings or property.
Medium	Elevated concentrations which could result in "significant harm" to human health as defined by the EPA 1990, Part 2A if exposure occurs. Equivalent to **EA Category 2** pollution incident including significant effect on water quality; notification required to abstractors; reduction in amenity value or significant damage to agriculture or commerce. Significant damage to aquatic or other ecosystems, which may result in a substantial adverse change in its functioning or harm to a species of special interest that may endanger the long-term maintenance of the population. Significant damage to crops, buildings or property.
Mild	Exposure to human health **unlikely** to lead to "significant harm". Equivalent to **EA Category 3** pollution incident including minimal or short-lived effect on water quality; marginal effect on amenity value, agriculture or commerce. Minor or short-lived damage to aquatic or other ecosystems, which is unlikely to result in a substantial adverse change in its functioning or harm to a species of special interest that would endanger the long-term maintenance of the population. Minor damage to crops, buildings or property.
Minor	No measurable effect on humans. Equivalent to insubstantial pollution incident with no observed effect on water quality or ecosystems. Repairable effects of damage to buildings, structures and services.

Table X. Description of Severity Classifications

Once the severity and probability of a pollutant linkage has been determined the risk can be assessed using the risk matrix shown overleaf on Table Y.

Risk Matrix

By cross referencing the derived severity and probability in Table Y, below the perceived potential risk can be determined.

		Severity			
		Severe	Medium	Mild	Minor
Probability	High Likelihood	Very High Risk	High Risk	Moderate Risk	Moderate / Low Risk
	Likely	High Risk	Moderate Risk	Moderate / Low Risk	Low Risk
	Low Likelihood	Moderate Risk	Moderate / Low Risk	Low Risk	Very Low Risk
	Unlikely	Moderate / Low Risk	Low Risk	Very Low Risk	Very Low Risk

Table Y. Risk Assessment Matrix

The risk categories detailed above are defined below in the following Table Z.

Term	Description
Very High Risk	There is a high probability that significant harm could arise to a designated receptor from an identified hazard at the site without appropriate remedial action.
High Risk	Significant harm is likely to arise to a designated receptor from an identified hazard at the site without appropriate remedial action.
Moderate Risk	It is possible that without appropriate remedial action, harm could arise to a designated receptor but it is relatively unlikely that any such harm would be severe and if any harm were to occur, it is likely that such harm would be relatively mild.
Low Risk	It is possible that significant harm could arise to a designated receptor from an identified hazard but it is likely that at worst this harm if realised would normally be mild.
Very Low Risk	There is a low possibility that harm could arise to a receptor. In the event of such harm being realised, it is not likely to be severe.

Table Z. Definition of Risk